Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

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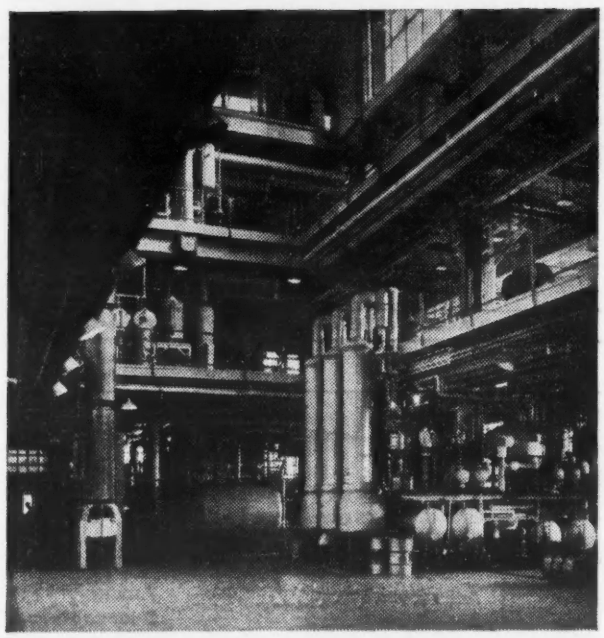

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Fats and Oils Outlook Reveals War Influence

The principal long-term effect of the Korean situation on fats and oils prices will be through increased industrial activity and consumer incomes, primarily in the United States, but also abroad, the Bureau of Agricultural Economics reported September 1. Industrial demand for fats, as for other raw materials, will rise, the agency said, and consumers probably will have more money to spend for food fats and oils, soap, paint, and other products which use fats in their manufacture.

"In addition," it continued, "users, dealers, and producers of fats, oils, and fat-and-oil products probably will be willing to keep more money invested in inventories than before the Korean crisis. With these increases in demand, prices of most fats and oils are likely to average higher in the next twelve months than in the past twelve.

"Prices of many domestic fats and oils may be temporarily depressed this fall, however. Demand will weaken from recent levels as the wave of buying for inventory-building subsides. This may coincide with the seasonal peak in lard output; lard production this fall is expected to be at the highest rate since the Winter of 1944.

"Also, with the 1950 soybean crop likely to be materially larger than in any previous year, the price of soybeans is likely to decline more than seasonally at the peak of marketings in October and November, unless farmers spread marketings over a longer period than usual. These price-depressing factors will be partly offset by a substantial reduction in cottonseed-oil output this Fall compared with last.

Domestic Output Estimated

"United States production of fats and oils from domestic materials in the year beginning October, 1950, is likely to be roughly the same as a year earlier. Output in 1949-50 is at a record high level of about 12,000,000,000 pounds (including oil equivalent of exported flaxseed, soybean, and peanuts for crushing). This is nearly 40 percent above the 1937-41 average and almost 10 percent higher than the wartime peak in 1943-44.

Edible Oils Decrease Seen

"On the basis of August 1 crop indications, output of edible vegetable oils in 1950-51 is likely to be moderately below the current level. The substantial increase in production of soybean oil will be more than offset by a large decline in output of cottonseed oil and a moderate decline in production of peanut oil.

"The 1950 crop of flaxseed is estimated to be 30 percent smaller than the 1949 crop but is supplemented by a large carryover on July 1. The 1950-51 supply of flaxseed is larger than total crushings, exports, and seed use in 1949-50. In addition, stocks of linseed oil on July 1 were equal to about a year's domestic consumption at the level for July, 1949-June, 1950."

House Blocks Coconut Oil Tax Suspension Bill

An amendment written into the coconut oil tax suspension bill (H. R. 8992) by the senate was objected to by the house and ordered sent to conference. The bill extends to coconut oil derived from copra originating in the trust territory of the Pacific Islands the same exemption from the 2 cents per pound processing tax now provided with respect to coconut oil derived from copra originating in the Philippine Islands.

When the bill was before the senate an amendment was added at the request of the Department of State to the effect that the President shall have the authority to withdraw the tax preference to the extent required by any international obligation of the United States.

CCC Cuts Flaxseed, Linseed Oil Selling Prices, Ups Rosin

The Commodity Credit Corporation announced a reduction September 1 in its selling price of raw linseed oil of 3 cents a pound and of flaxseed of 50 cents per bushel below the prices that prevailed for the past several months. At the same time, the agency announced that its selling price for gum rosin has been increased 35 cents per 100 pounds above the August price.

The new prices for linseed oil and flaxseed, which apply to sales both for domestic use and for export, will be maintained throughout the remainder of the year, it was stated. The CCC has 471,000,000 pounds of linseed oil which it is offering at the following prices in tankcar lots, f.o.b. storage location:—13.75 cents per pound at Minneapolis and Chicago; 14.05 cents per pound at Buffalo, San Francisco, Los Angeles and Cleveland; 14.35 cents per pound at New York, Philadelphia, Baltimore and Portland, Ore., and 14.45 cents per pound at Houston and Kenedy, Tex., and Good Hope, La.

Approximately 12,000,000 bushels of flaxseed is available for sale at $3.50 per bushel for No. 1, in bulk, basis in store, Minneapolis. The regular market differentials apply for sales at other markets and for other grades.

The new domestic and export price for gum rosin is $6.60 per 100 pounds, net, for grades N through G; $6.70 for grade WG, and $6.85 for grades X and WW. The rosin is sold "as is," in storage yards at locations in Georgia, Florida and Alabama. The agency has approximately 175,000 drums for sale.

U.S. Coaltar Exports in 1947-'49 Surpass Imports, Set New Trend

An analysis of United States foreign trade in coaltar crudes and intermediates made by the chemicals division of the Department of Commerce shows a decided change in the pattern between the prewar period and 1949. In the years 1937-39, the value of imports of these chemicals was almost double that of exports, but statistics for 1947-49 show a reversal of this position.

In a special study of this trade made by C. A. Rager and S. M. Phillips of the chemicals division, and published in the department's *World Trade in Commodities*, it was stated that this change in the pattern is the result of very large increases in exports and substantial decreases in imports of the coaltar intermediates.

In 1947 exports of coaltar intermediates were twelve times as large as those in 1937-39, while imports were only one-fourth the prewar average. In 1948 exports were fourteen times those in 1937-39 and imports were only one-third of the prewar figure; in 1949 exports were still fourteen times those of the earlier period, while imports recovered to approximately two-fifths of the prewar average.

The analysis stated that in the case of crude coaltar chemicals the value of prewar imports was double that of exports, but in 1947 shipments to foreign countries were valued at one and a quarter times receipts. In 1948, however, the trend was again reversed and purchases abroad were $5,600,000, or approximately 72 percent in excess of shipments.

Unusually large quantities of creosote oil and crude cresylic acid from the United Kingdom and naphthalene from Belgium, Netherlands, and Czechoslovakia were largely responsible for this excess of imports over exports. In 1949 the chief sources of naphthalene were Czechoslovakia, Germany, Netherlands and Belgium.

Intermediates Exports Climb

United States exports of coaltar crudes and intermediates combined totaled $28,700,000 in 1947, $28,900,000 in 1948, and $27,700,000 in 1949, compared with an average value of $5,800,000 in the period 1937-39. Prewar intermediates accounted for only 26 percent of these shipments. In 1947, however, although sales of crudes to foreign countries reached a peak value, intermediates accounted for 64 percent of total shipments; in 1948, 73 percent.

Imports of crude coaltar chemicals were valued at slightly more in 1947 than in 1937-39; in 1948 they increased 58 percent over those in the preceding year, but in 1949 were only 10 percent above 1947. The value of intermediates entering the United States, on the other hand, was 77 percent less in 1947, 67 percent less in 1948, and 63 percent less in 1949 than in the prewar period.

Antimony Production Declined During '49

A general business recession in the latter part of 1949 and specific consumer resistance to high prices resulted in a downward trend of all phases of the antimony industry from 1948, according to Bureau of Mines. Total new supply of antimony in 1949 was 30,008 tons, compared with 46,744 tons in 1948. Estimated total consumption of antimony in 1949 was 31,515 tons, compared with 40,268 tons in 1948. Industry stocks of ore, metal, oxide and sulfide (metal content) were 6,073 tons on December 31, 1949, a decrease of 3,346 tons from stocks of 9,419 tons on December 31, 1948.

Following are salient statistics for antimony in the United States during 1949, as compared with 1948:—

	1949	1948
Production of primary antimony		
Mine (antimony content) ... short tons.	1,636	6,489
Smelter (antimony content) . short tons.	8,099	14,308
Production of secondary antimony ..... short tons.	18,061	21,592
Imports for consumption:		
Antimony in ore short tons.	7,473	13,464
Needle or liquated antimony. short tons.	81	533
Metal ..... short tons.	1,853	3,201
Exports of antimony ore and metal ..... short tons.	485	327
Consumption of primary antimony[1] ..... short tons.	11,530	13,455
Average price of antimony at New York:[2]		
Chinese (nominal) ..... cents per lb.	(3)	(3)
American ... cents per lb.	38.73	36.67
World production (estimated)[4] metric tons	34,000	41,300

[1] Antimony recovered chiefly as antimonial lead at primary lead refineries from domestic and foreign silver and lead ore not included.
[2] American Metal Market.
[3] Data not available.
[4] Exclusive of U.S.S.R.

Phosphate Land in Florida Offered for Lease by U.S.

One hundred thirty acres of Florida land will be offered for phosphate leasing through competitive bidding at 1p.m. EST, October 4, by the Department of the Interior, Secretary Oscar L. Chapman announced today. Two tracts, one of eigthy acres in Citrus County, four miles southwest of Inverness, and one of fifty acres in Hernando County, one mile west of Saint Catherine, are offered at a minimum bid of $25 on each tract to qualified bidders of the highest cash amount per acre as a bonus for the privilege of leasing.

Sealed bids marked "phosphate lease" should be mailed on or before 1 p.m., EST, October 4 to the director, Bureau of Land Management, Washington 25, D. C. Each bidder must submit with his bid a certified check, money order or cash for one-fifth of the amount bid by him and file evidence of his qualifications to receive a lease.

Alcohol Regulations Revised For Use of Gauging Manual

The alcohol tax unit of the Bureau of Internal Revenue issued the following announcement August 30 respecting the required use of the new gauging manual by the distilling industry:—

"The 1950 edition of the *Gauging Manual*, effective September 1, will not be available in book form for distribution until sometime after that date. Accordingly, pending its receipt, tables 1 through 7 of the 1938 edition of the manual will be followed in gauging spirits, except, that in order to conform to the 1950 edition, tables 2 and 3 of the 1938 edition will be modified by dropping the fractional gallons beyond the first decimal if less than 0.05, or by adding as 0.1 if 0.05 or more. Fractional gallons beyond the first decimal, ascertained through use of table 4, will likewise be dropped if less than 0.05, or will be added as 0.1 if 0.05 or more."

Munitions Board Adopts Policy on Defense Buying

The Munitions Board announced the adoption August 30 of a new Department of Defense policy governing contracting, pricing, and profit in military procurement which rules out urgency of need as an excuse for waste of funds or inefficient buying practices. A first principle of the policy which goes into effect immediately, is that emphasis will be placed on types of contracts and contract pricing methods which encourage economy and production efficiency.

The policy places close controls over types of contracts to be used. It stipulates that fixed-price contracts will be used without provisions for price redetermination or escalation throughout the Department of Defense whenever practicable. Incentive-type contracts may be used where dollar amounts are large, production periods long and when reasonable close target prices can be established.

Antibiotics Rule Eased

The Federal Food and Drug Administration has extended the effective date of its amendment to rules for certification of antibiotics which made it unnecessary that a circular containing directions for use be packaged with each immediate container of penicillin tablets and buffered penicillin powder, unless such drugs are labeled solely for veterinary use.

When the order was published in the *Federal Register* on August 3 it was provided that the elimination of this requirement should take effect sixty days from the date of publication. The latest action was extend this effective date to 120 days from the date of publication.

Price Trend Continues Upward

Price movements were less numerous last week in the markets for chemicals and related materials. There were about three times as many advances as reductions. The scope of the changes was narrow, four major groups going up and one down. The trends had no definite implication; although changes in Oriental aromatic oils were heavily upward, those in spices were split fairly evenly, and menthol was reduced. The nonferrous metal areas were relatively quiet; there were advances in antimony, lead, platinum; another cut in tin. The latter affected all important salts of the metal. Delayed boosts came in lead peroxide and magnesium oxide. The chlorine situation showed up in an advance in muriatic acid.

The overall index number of prices got a boost of 1.1 points which put it 3.1 points above the comparable 1949 figure. It is now higher than it had been since the first week in May, last year.

Oils and fats got another boost by demand, supplies of last season goods being near bottom. Fatty acids contributed materially to the elevation, which encompassed fish and animal, as well as vegetable products. Carnauba wax was reduced. The animal derivatives were upped also with respect of dried blood and tankage and domestic casein. Imported casein was cheaper.

Stringencies in botanical drugs gave that group another price boost. Heavy chemicals also continued tight, but prices were kept down; although those for imported soda alkalies were quite inflated in some quarters because of the blocking of domestic production. The coaltar division showed no more responses to price influences, other than an advance in imported naphthalene and scattered boosting of pyridin and benzol. Other organics were quiet.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Sept. 1, 1950	Aug. 25, 1950	Dec. 30, 1949	Sept. 2, 1949
132.2	131.1	124.8	129.1

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1950	1949	1947	1946	1941
January	123.2	142.0	150.9	135.3	107.3
February	121.3	140.4	151.9	135.4	110.3
March	121.8	137.6	154.9	135.2	111.9
April	121.0	133.6	152.3	134.9	115.5
May	120.6	131.2	146.1	135.1	118.2
June	120.7	128.7	143.9	135.4	121.9
July	122.8	128.1	142.5	137.7	123.5
August	128.8	128.9	140.4	136.6	126.2

Freight Cost Policy Of FTC Clarified

John Carson, Commissioner of the Federal Trade Commission, told the senate interstate commerce committee August 29 that there is nothing illegal in a seller's absorbing freight charges on his product in order to get to a market and compete with other sellers. The absorption of freight in the sale of goods is only illegal when it results in a substantial lessening of competition, he stated.

The clarifying statements on the legality of this pricing practice were given to the committee by Mr. Carson in reply to a series of interrogations from Senator Joseph O'Mahoney of Wyoming, who sponsored the freight absorption bill (S. 1008) vetoed earlier this year by President Truman, by Senator Homer Capehart of Indiana, and by Senator Edwin C. Johnson of Colorado, chairman of the committee.

The interrogation of Mr. Carson and of FTC chairman James Mead a week ago, has been prompted by the apparent reluctance of Westvaco Chemical Division of Food Machinery & Chemical Corporation to go through with its original plans to develop the huge trona deposits of Wyoming because of unsettled views on how FTC would look upon the company absorbing a part of the freight costs in the movement of the soda ash to the consuming areas. The company has stated that in order to meet the prices of other suppliers, it would have to absorb some of the freight costs from Wyoming to consuming centers.

'Injury to Competition' Defined

In reply to preliminary questions of Senator O'Mahoney designed to lay the ground for questions on the legality of freight absorption pricing practices, Mr. Carson explained that he believed that the meaning of the phrase "injury to competition" is a lessening over a continuous period of the opportunity of consumers to go to two or more sellers.

"Then a policy of the government that would lessen the number of competitors would be against public interest, would it not?" Senator O'Mahoney asked.

"That's right," Mr. Carson responded.

"If a producer has to absorb freight to get into a market to compete is there any legal obstacle?" the senator continued.

"Not if there are no other factors involved," Mr. Cason said.

"Is freight absorption by itself standing alone a price discrimination?" Mr. O'Mahoney asked.

"I wouldn't think so."

"Then there is nothing in the law to prevent a manufacturer from absorbing freight in order to get into a market to compete or enlarge his sales area?"

"Nothing."

Mr. Carson stated later that the commission is "very anxious" to talk with the Westvaco officials and said that if it can be shown that no discriminations in prices are intended there should be no trouble in reaching an understanding with the commission.

GSA Creates Strategic Material Purchasing Unit

A new buying organization in the General Services Administration to concentrate on top operating level responsibility for the purchase of strategic and critical materials and other emergency and special procurement programs was created September 1 by Jess Larson, Administrator of General Services.

At the same time, Mr. Larson announced that A. J. Walsh, deputy commissioner of the Federal Supply Service, GSA, has been named acting commissioner of emergency procurement. Mr. Walsh has been in government purchasing for fifteen years. One of the functions of the new unit will be to carry on research to develop new sources of strategic and critical materials throughout the world.

McCarthy Leaving Gross

M. J. McCarthy, vice-president in charge of purchases for A. Gross & Co., New York, will sever his connection with the company at the end of this year, it has been announced. Mr. McCarthy, who has been with Gross for the past nineteen years, was formerly in charge of sales. Future plans of Mr. McCarthy will be announced following a few months' vacation in Canada.

Monsanto Making Koch Acid

Merrimac division of Monsanto Chemical Company has announced production of Koch acid, a dye intermediate. The new product will be available at competitive prices from the company's Everett, Mass., plant.

In Monsanto London Post

Philip A. Singleton, assistant director of Monsanto Chemical Company's foreign department in St. Louis, Mo., has been named assistant to Edward A. O'Neal, jr., chairman and managing director of Monsanto Chemicals Limited, London, England. Mr. Singleton, who will move to London on October 9, will assist in operational matters and liaison with various Monsanto companies. He joined Monsanto in 1940, and has served as assistant to the general manager of the Merrimac Division at Everett, Mass., vice-president of Nealco-Monsanto Company of Everett, director of Monsanto Transportation Company and as a trustee of Central Aguirre Sugar Company of Puerto Rico. From 1945 to 1949, Mr. Singleton, as assistant to the president of Monsanto, served as the company chief representative in Washington, D. C.

Westvaco Effects $5 Boost In Magnesium Oxide Price

Westvaco Chemical Division, Food Machinery & Chemical Corporation, New York, on September 1 effected an across-the-board increase of $5 per ton on magnesium oxide. The move affected chloride-free material ("No. 2661"), the chemical grade ("No. 2665") and the rayon grade.

The new schedule on unground material, therefore, calls for $69.50 per ton, carload, and $79.50, l.c.l. Ground, or regular material, 90 percent minimum 200 mesh, is priced at $72.50 per ton, carload, and $82.50, l.c.l. All quotations are f.o.b. Newark, Calif., freight equalized with Belasco, Tex., and St. Louis, Mich.

Glacial Acrylic Acid Offered by Goodrich

B. F. Goodrich Chemical Company, Cleveland, has entered the acrylic field with commercial production of glacial acrylic acid, a derivative of betapropiolactone. Manufacture of the new lactone derivative will begin shortly at the company's Avon Lake general chemicals plant and will be available in ton lots.

The new acrylic acid will be sold initially in ton lots at $1.15 per pound and at $1.25 per pound in drum lot quantities, with prices eventually becoming lower as production increases.

'Triton X-100' Reduced

A reduction up to 1¼ cents a pound in the price of "Triton X-100," non-ionic detergent and wetting agent, was announced August 28 by Rohm & Haas Company, Philadelphia. It is used in the processing of textiles; in the manufacture of leather, insecticides, cleaning compounds, waxes and polishes; and in the paper industry for improving the absorbency of paper toweling and controlling foam in the paper machine.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here:—

Acetyl propyl alcohol.

Alpha - alphadimethylalphacarbobutoxydihy - drogammapyrone.

Ethylhexanediol-1, 3.

Metadimethylaminophenol.

Trihexylphenidyl - 3 - (1-piperidyl)-phenyl-1-cyclohexyl-1-propanol hydrochloride.

N. Y. Dockmen Refuse To Unload Soviet Oils

With the exception of some 11,000 bales of cotton linters, longshoremen at Bayway Terminal in New York Harbor last week flatly refused to unload a Finnish Lines ship out of Leningrad, the Tornator, which contained a Russian cargo, including several lots of essential oils. The linters, also blocked at first, were removed finally upon orders from union officials, following pleas that the goods were needed for national defense.

Included in the items left aboard ship were seventeen cases of Russian coriander oil, forty-five cases of pure coriander oil, ten cases of anise oil, and 122 drums of pine needle oil. Although it was reported that American importers have already lodged protests on the action with the Department of State, trade sources were of the opinion that the shippers would have no recourse but to return the material to its destination.

It was reported that a shipment of Polish general cargo is on its way to this country, as well as a boatload of goods from Red China. Union officials stated that they would issue instructions regarding the handling of future cargoes from Russia and satellite countries.

Should the union place an embargo on materials from these destinations, following are some of the materials from Red China that would be affected:—Menthol, camphor, camphor oil, tung oil, cassia, egg spray yolk, egg albumen, anise oil and ho oil.

In addition, shipments of cresylic acid, naphthalene and peatmoss from Poland along with imports of manganese ore, licorice root, essential oils, asbestos fiber and chrome ore from Russia would be similarly blocked.

Tricarboxylic Acid Being Made by Evans Chemetics

A new organic acid "Evanacid 3 CS" has been produced in pilot plant quantities by Evans Chemetics, Inc., New York, and is described in a brochure of the corporation. The new acid is a tricarboxylic acid containing a thioether group. "Evanacid 3 CS" reacts much like a typical tricarboxylic acid, according to the brochure. It forms salts, amides, esters, acid chlorides, and other derivatives in a manner similar to such tricarboxylic acids as citric and aconitic. In many cases the derivatives of the mono- or di-substituted products can be synthesized to yield a series of products. Copy of the brochure may be obtained by request to the company at 250 East Forty-third street, New York.

Winthrop-Stearns Vice-Pres.

Sidney C. Mills, administrative assistant to the president and assistant treasurer of Winthrop-Stearns, Inc., New York, for the past four years, has been elected vice-president of the concern assigned to administrative operations. Mr. Mills, who in his new post will be located at Winthrop-Stearns headquarters offices, joined the firm in 1936. He has served as New York manager of the retail sales division; regional manager for the midwest; manager of the Atlanta, Ga., and Chicago, Ill., divisions; assistant division manager of the St. Louis, Mo., division, and salesman in the southwest territory.

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Mustard Seed Output Rise Seen in Canada

Canadian mustard seed acreage in 1950 is estimated at 14,325 acres, a substantial increase over the 5,000 acres grown in 1949 but far below the 30,000 acres grown in 1948. Current crop conditions are favorable and a harvest of 7,000,000 pounds of mustard seed is expected, Philip C. Habib of the American Embassy in Ottawa has reported to the Office of Foreign Agricultural Relations. This compares with an output of 2,000,000 pounds in 1949 and a bumper crop of 21,000,000 pounds in 1948.

Practically all of Canada's 1950 mustard seed acreage was planted in the yellow variety. Present stocks of mustard seed in Canada are estimated at 3,000,000 pounds, consisting of 2,000,000 pounds of yellow and 1,000,000 pounds of brown. The carryover from the 1948 harvest amounted to about 10,000,000 pounds. Current stocks and expected production should be sufficient to meet domestic requirements and provide about 6,500,000 pounds for export.

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Chemical Consumption In California Estimated

A survey of northern California as a chemical market was reported last November by a committee of the Western Chemical Market Research Group, consisting of representatives of Commercial Solvents Corporation, E. I. du Pont de Nemours & Co., Monsanto Chemical Company, Oronite Chemical Company, Standard Oil Company of California, Stanford Research Institute. The report has been published by the state division of mines.

In large part, the report consists of estimates of the annual consumption of chemicals and related materials in the important industries of the 'Bay counties" and other northern areas of California. With reference to some of the industries and to agriculture the estimates cover the entire state. The estimates, which are based on studies of available records, are admittedly incomplete, but they are presented as satisfactorily informative in the fields covered in the following tabulations.

Agriculture
(Entire State)

	Tons
Ammonium nitrate	41,078
Ammonium phosphate	6,011
Ammonium phosphate-nitrate	200
Ammonium phosphate-sulphate	31,702
Ammonium sulphate	69,927
Bloodmeal	972
Bonemeal	1,168
Calcium cyanamide	8,289
Calcium nitrate	8,152
Fishmeal	557
Gypsum	349,979
Lime, byproduct	10,927
hydrated	1,130
Limestone and shells	12,697
Metallic salts	1,302
Mixed fertilizers, liquid	10,732
solid	207,209
Mixed minerals	3,581
Nitrogen solutions	11,977
Not specified	38,938
Phosphate rock	364
Phosphoric acid	3,233
Potassium chloride	3,315
Potassium sulphate	3,200
Seedmeals	447
Sewage sludge	22,220
activated	7,220
Sodium nitrate	11,983
Soil sulphur	20,304
Sulphur dioxide	708
Sulphuric acid	10,593
Superphosphate, ammoniated	410
normal	70,390
treble	17,092
Tankage	735
Urea	1,447

—Continued on page 66

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with the OPD office:—

Aluminum, Bento Goncalves, Brazil (GC-4).

Antibiotics, Freising, Germany (GC-8, agency).

Antirheumatics, Freising, Germany (GC-8, agency).

Caustic soda, Rio de Janeiro, Brazil (GC-1).

Celluloid, Bento Goncalves, Brazil (GC-4).

Chemicals, Rio de Janeiro, Brazil (GC-1); (GC-2); Porto Alegre, Brazil (GC-3); Istanbul, Turkey (GC-5); Willemstad, Curacao (GC-7, agency); Zuerich, Switzerland (GC-10, agency).

Cleansing powders, Osaka, Japan (GC-6).

Codliver oil, Athens, Greece (GC-11, agency).

Cosmetics, Willemstad, Curacao (GC-7, agency).

Courmarone resin, Barcelona, Spain (GC-14).

Curare preparations, Freising, Germany (GC-8, agency).

Dyes, Istanbul, Turkey (GC-5).

Fertilizer, Rio de Janeiro, Brazil (GC-1).

Fish oils, Athens, Greece (GC-11).

Pharmaceutical products, Willemstad, Curacao (GC-7), agency); Freising, Germany (GC-8, agency); Zuerich, Switzerland (GC-10, agency).

Photographic chemicals, including metal, hydroquinone, sodium sulphite, sodium carbonate, potassium bromide, Damascus, Syria (GC-9, agency).

Potato starch, Barcelona, Spain (GC-12).

Red corundum, Buenos Aires, Argentina (GC-13, agency).

Tall oil, Barcelona, Spain (GC-14).

Veterinary products, Porto Alegre, Brazil (GC-3).

Foreign Market Lists

Lists of foreign outlets for chemicals and related materials and consumers goods, recently compiled by the Commercial Intelligence division of the United States Department of Commerce, include the following, which are available from the division at $1 a list for any one country:—

Chemical importers, dealers—Denmark.

Hospitals—France.

Meat packing, sausage, and casings—Egypt; Panama

Medicinal and toilet preparation importers, dealers—Lebanon.

Paint and varnish importers, dealers—Chile.

Photographic supply dealers, photographers—Morocco.

Soap manufacturers—Mexico.

Synthetic organic chemical manufacturers—Greece.

Textile industry—Ceylon; Lebanon.

P.A.'s-Eye View of Business

Composite view, September 3, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents.

Purchasing executives report that, during August, general business continued the sharp upswing started in July. Production and new orders increased steadily throughout the month. There are indications that the movement has about reached the top and, for the next few months, may level off on the high plane it has attained. Military orders have not as yet had much effect on the overall business picture. Purchasing agents believe there is some possibility of a lag between the lessening of the current high civilian demand and a pickup in a defense production program.

Industrial materials' prices continue to rise but, with a few exceptions, the advances are not high percentagewise. Inventories are headed down, following a three-month rise. Employment is the highest since the fall of 1948. Buying policy is necessarily of longer range, to cover the extended production schedules of suppliers.

To the specific question of, "Would price, material, and/or inventory controls be helpful or harmful?" the predominant opinion of purchasing executives is that their imposition now or in the immediate future would be harmful. The reasons given are:—(1) Voluntary allotments are working fairly well; (2) present defense requirements are not so heavy they cannot be satisfied without controls; and (3) price ceilings become, in effect, price protection, eliminating free play of supply-demand forces on prices.

A minority expressed the opinion that controls would be helpful, but only if managed by a separate, temporary government agency specifically set up for the purpose of controlling everything, including prices, wages, profits, strikes, farm products, government subsidies, wasteful government spending, and the credit controls needed to curb inflation.

The present situation and the foreseeable future are being regarded with utmost caution by industrial buyers.

Commodity Prices

More and more price-increase in August, much of it the result of high demand and low supplies. An inflationary stepup is noted in the pricing of many fabricated items, where the prices have increased out of proportion to the rise in their contained basic materials. Anticipated wage demands and increasing taxes are a strong influence in the price movement. Escalator clauses are more common, and they give free play to the use of materials at gray, black, or premium prices.

Inventories

For the first time in three months, purchased industrial material inventories show a down trend; 21 percent, the largest number since May, report this condition. Capacity consumption, with piecemeal receipts, accounts for much of the thinning out of protective stocks. Materials management is concerned over the developing trend of unbalance in industrial inventories. With heavy production schedules, backed by large order books, it is difficult to decide to curtail intake of easier-to-get materials while waiting for larger shipments of currently critical items or the development of a substitute for them. Overall, there is little hoarding apparent; endeavoring to supply top production is the generally reported condition, as sales departments can move all that can be produced—and then some.

Employment

Again, a spurt in payrolls is reported for August, with industry hard put to fill jobs requiring skilled workers. Overtime is increasing, and additional shifts are appearing where manpower is available. Contrary to this trend, are the industries dependent on copper, zinc, and aluminum, where severe cutbacks in voluntary allotments by producers are forcing a reduction in working hours.

Buying Policy

The trend to longer commitment periods continues. Very few companies can maintain a range of sixty days and under, while 28 percent report over 90 days, with a strong push on four to five months. The predominant comment is that the extension is for definitely booked orders, with no element of speculation. It is favorably noted that many manufacturers are screening incoming orders and accepting only reasonable quantities in relation to previous customer experience. The multiple ordering of the immediate postwar period should not be a problem when the course of business changes if sales organizations curb the attempt to extend and overextend order-booking.

Specific Commodity Changes

Commodities that did not move up in July seem to have moved up in August. Copper was pushed into a split-price market; lead and tin were outstanding in the size of their increase. Other important materials up were abrasives, bearings, brass, building materials, castings, chemicals, containers, dyestuffs, electrical equipment, explosives, food, fuel oil, glycerin, lumber, steel scrap, oils, paints, paper, platinum, rubber, textiles, wire.

In very short supply were aluminum, brass, cellophane, caustic soda and soda ash, cement, copper, lumber, pipe, steel, wire, zinc.

Canada

Canadian business did not keep pace with that in the States during August. While production is substantially up, new orders are far below the United States rate. Prices are all up. Inventories are lower than in the United States. Employment is much improved. Buying policy is the same as in the United States. Canadian purchasing agents see no immediate requirement for government controls, expect none will be imposed in Canada until they are in the United States.

Washington Talks It Over

By Ralph L. Cherry

Congressional leaders now believe it may be possible to bring the present session to a halt in about a week or ten days, so that members can go home for a bit of campaigning before the November elections. They haven't fixed on a definite termination date, but it may be around the ninth or eleventh of this month.

The session was supposed to end by law July 31, but the Korean war, plus the fact that congress hadn't completed work on such essentials as the appropriation bills, made this impossible. In fact, there are some members who would rather that the session continue right on through to next January because they have found that it is a lot easier to be reelected when they have to stay in Washington because of the war than it is to match wits with their political opponents on speakers' platform.

Now that the priorities and allocations legislation is on its way to becoming law and the $5,000,000,000 tax bill is in conference, there is very little excuse for congress remaining in session any longer. Universal military training bills have been put over until next year, along with the ITO charter resolution, and compulsory health insurance legislation, and the only "must" bill remaining for action is the $16,000,000,000 emergency military appropriation.

Whether the end of the session will be in the form of a "recess" or "adjournment" is yet to be decided. Speaker Rayburn is favoring outright adjournment, which will kill off all bills that have not been passed. Senate leaders prefer a "recess" which would maintain everything in status quo until the new congress convenes next January.

Drugs Have Wide Side-Actions

The drug industry has been put on the defensive on two widely scattered fronts in recent weeks. On the one hand are the mink fur-ranchers, while on the other hand are the makers of cheese.

The story of the mink ranchers is that they are threatened with tremendous losses because the male minks are becoming sterile from eating chicken offal in which there are traces of diethylstilbestrol. This synthetic hormone, with the urgings of the manufacturers, is being used to an increasing extent by poultrymen for caponizing chickens. Upon the recommendations of the Department of Agriculture, the mink ranchers have been relying on chicken offal as the principal feed for mink, but somebody overlooked the lingering effects of diethylstilbestrol.

The complaint of the cheesemakers is that the use of penicillin in the treatment of dairy cows for control of mastitis is making the milk from these cows difficult to curdle. Scientific cheesemaking calls for the use of "starters," a culture of selected organisms to get the process started. By guarding the uniformity of the starter the cheesemaker can expect to make uniformly good cheese. But, the

—Continued on page 36

GSA Ban on Surplus Lifted; Rules Revised

The "freeze" order placed on disposal of all surplus real and personal property by the General Services Administration was lifted August 28 with the issuance of new regulations strengthening existing rules for the management of surplus property. The "freeze" had been in effect since August 18.

Provisions of the regulation relating to surplus real property provide detailed instructions for the screening of property declared excess to the needs of any agency by the Munitions Board for possible use by the Department of Defense and by GSA for defense use of civilian agencies before it can be declared surplus.

The regulation states that the Defense department must initiate action to acquire property or certify to GSA that it is not needed for defense within 30 days of the time excess property is submitted to the department for screening. The order also permits continued negotiations with possible buyers on real property already declared surplus, but undergoing rescreening, provided no final commitments for sale are made until final disposal is authorized by GSA.

Critical Materials Affected

The new regulation on personal property is designed to conserve critical materials by tightening up on the purchasing of supplies and equipment containing such materials. It identifies the critical materials as aluminum, cement, copper, lead, leather, lumber, paper, rubber (synthetic, natural, or in combination), steel, wool, and zinc. The regulation states that agencies should give specific consideration to this fact in the procurement of products utilizing these materials.

Agencies are also required to reduce their present inventories progressively so that by June 30, 1951, they shall be limited to three months', six months' and twelve months' supply level depending on types of item and time required for their replacement.

Usable property excess to the needs of an agency in the normal course of events or as the result of the establishment of inventory levels, will be stockpiled by GSA for future use either in the defense effort or as a replacement for present stocks.

Parke-Davis Opens in Ohio, Plans Research in London

Parke, Davis & Co., Detroit, Mich., formally opened its new Cincinnati, Ohio, branch on September 1, with Al E. Carter, former assistant manager of the Detroit branch, in charge. At the same time, the company announced the assignment of Dr. Harry M. Crooks, jr., to London, England, for the purpose of setting up a research unit at that branch.

The new Cincinnati branch consists of portions of territories formerly served by the Detroit and Chicago branches and territory formerly channeled through the Indianapolis, Ind., depot, which has been closed, including most of Ohio, northern Kentucky and southeastern Indiana.

J.B. Williams Co. Merges With Conti Products Corp.

J. B. Williams Company, Glastonbury, Conn., has through merger taken over the business of Conti Products Corporation. The action, which last week received approval of Williams company stockholders, was expected to result in stepped-up promotion of both the Williams and Conti lines of toiletries because of the savings made possible through the consolidation of distribution operations.

Charles L. Huisking, president of Conti Products, will join the Williams board of directors, while Stephen L. Nordlinger, vice-president, will be associated with the Williams organization as head of Conti distribution.

Armour Labs Names Mathee Marketing Dir.

W. H. Mathee, former president of Industrial Enterprises, Inc., Racine, Wis., has been appointed marketing director of Armour Laboratories, Chicago. In his new post he will have charge of the distribution of ACTH and other Armour pharmaceutical specialties of animal origin.

Mr. Mathee was vice-president and general manager of Horlick's Malted Milk Company from 1940 to 1947. He also served as president and general manager of Scott & Bowne and the Scott & Bowne Vitamin Corporation.

is it . . . a streetcar ? a roller coaster . . . the leviathan ?

"What've I got in my hands?" was a honey of an old-time vaudeville act. If you recall—the straight-man would hunch his shoulders, teeter forward and cautiously take a guess. His absurd answers produced gales of laughter — the audience screamed at h s impossible suggestions.

This parody on guessing-games is something to remember.

How much guess-work are you doing daily?

Are you sure your orders for Fatty Acids will be delivered on time? For—if they don't arrive when needed—your production slows down and deliveries stop.

The competitive process industries don't allow for guess work. The wrong answer has cleaned out more than one company. Don't take chances.

At Woburn — the supply is at hand. Or our first-rate facilities will quickly produce Fatty Acids to your order. For 45 years we've been known for prompt deliveries.

Streetcar . . . roller-coaster . . . Leviathan? Don't guess. Call Woburn when you need Fatty Acids. Then you'll be sure of deliveries on time.

WOBURN CHEMICAL CORP. (N.J.)

FATTY ACIDS, SPLIT AND DISTILLED

CASTOR • CHINAWOOD • COCOANUT • CONJULIN • COTTONSEED • DISTOLINE
HELIOLINE • ISOLINE • LAURIC • LINSEED • MARINE • PALM • SOYA • TALLOW

SYNTHETIC DRYING OILS, ESTERS AND PLASTICIZERS • ESTER GUMS AND ROSINS • PIGMENTS AND COLORS

1200 HARRISON AVENUE, KEARNY, NEW JERSEY • KEARNY 2-3300

CHINAWOOD FATTY ACID

The quick drying, water resistant, wrinkling characteristics of chinawood oil are imparted to protective coatings prepared with this material. Used in preparing alkyd resins (wrinkle proof type), esters, driers and varnish compounds.

WOBURN dependable PRODUCTS

Association Meetings

Affiliated Drug Stores, New Yorker hotel, New York, October 1-5.

American Association of Textile Chemists and Colorists, Portsmouth, N. H., September 28-30.

American Bar Association, Food, Drug and Cosmetic Law Division, annual meeting, Federal Security Agency auditorium, Washington, D. C., September 18-22.

American Council of Commercial Laboratories, Waldorf-Astoria, New York, November 14-15.

American Gas Association, Atlantic City, October 2-6.

American Drug Manufacturers Association and American Pharmaceutical Manufacturers Association, combined contact committee meeting, Washington hotel, Washington, D. C., October 23-24.

American Institute of Chemical Engineers, Neal House, Columbus, Ohio, December 3-6

American Oil Chemists Society, Sir Francis Drake hotel, San Francisco, September 26-28.

American Petroleum Institute, Biltmore and Ambassador hotels, Los Angeles, November 13-16

American Pharmaceutical Manufacturers Association, Waldorf-Astoria hotel, New York, November 27-29; Boca Raton, Fla., April 2-4, 1951; Greenbrier, White Sulphur Springs, W. Va., March 26-28, 1952.

American Society for Testing Materials, spring meeting and committee week, Cincinnati, Ohio, March 5-9, 1951; annual meeting, Atlantic City, N. J., June 18-22, 1951; spring meeting and committee week, Cleveland, Ohio, March 3-7, 1952; annual meeting, New York, N. Y., June 23-27, 1952.

Associated Chain Drug Stores, New Yorker hotel, New York September 24-27

Association of Consulting Chemists & Chemical engineers, annual meeting, Shelburne hotel, New York, October 24.

Chemical Market Research Association and Commercial Chemical Development Association, joint meeting, Mayflower hotel, Washington, D. C., October 3-4.

Chemical Specialties Manufacturers Association, New Yorker hotel, New York, December 3-5

Congress of the International Union of Leather Chemists Societies, London, September 10-13 1951

Drug, Chemical and Allied Trades Section, New York Board of Trade, annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 21-23

Federal Wholesale Druggists Association, Greenbrier hotel, White Sulphur Springs, W. Va., October 23-25.

Federation of Paint and Varnish Production Clubs, Congress hotel, Chicago, November 9-11

National Agricultural Chemicals Association, Essex and Sussex hotel, Spring Lake, N. J., September 6-8.

National Association of Retail Druggists, Long Beach, Calif., October 15-21

National Butane-Propane Association, Hollenden hotel, Cleveland, September 18-19

National Chemical Exposition, Coliseum, Chicago, September 5-9.

National Foreign Trade Council, annual convention, Waldorf-Astoria hotel, New York, October 31-November 1.

National Lubricating Grease Institute, Edgewater Beach hotel, Chicago, October 30-November 1

National Metal Trades Association, annual meeting, Commodore hotel, New York, September 27-29.

National Paint, Varnish and Lacquer Association, Fairmont hotel, San Francisco, November 15-18

National Safety Congress, Chicago, October 18-20.

National Wholesale Druggists Association, Waldorf-Astoria hotel, New York, September 18-20.

Packaging Institute, annual forum, Commodore hotel, New York, October 23-25.

Pharmaceutical Council of Greater New York, drug show and exhibit, Statler hotel, New York, September 25-27.

Plant Maintenance Show, Auditorium, Cleveland, Ohio, January 15-18, 1951.

Salesmen's Association of the American Chemical Industry, sales clinic, Roosevelt hotel, New York, November 2-3.

Society of Cosmetic Chemists, fall meeting, Biltmore hotel, New York, December 5.

Society of Plastics Engineers, national technical conference, Statler hotel, New York, January 18-20, 1951.

Society of the Plastics Industry, annual meeting, New Ocean House, Swampscott, Mass., October 18-20

Society of Rheology, New Yorker hotel, New York, November 3-4.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, September 15; annual meeting, Commodore hotel, New York, December 13.

U. S. Committee to World Petroleum Congress Named

The United States national committee to the third World Petroleum Congress, meeting in The Hague, Netherlands, May 28 to June 6, 1951, will be headed by E. V. Murphree, Standard Oil Development Company, New York. Other officers of the committee are as follows:—F. S. Clulow, Shell Oil Company, New York, vice-chairman; Paul D. Foote, Gulf Research & Development Company, Pittsburgh, vice-chairman, and K. G. Mackenzie, The Texas Compay, New York, secretary.

Members of the executive committee are:—Earl Bartholomew, Ethyl Corporation, Detroit, Mich.; W. F. Faragher, Houdry Process Corporation, Philadelphia, and the officers.

Oils, Fats Output, Use: July

Statistics on production and consumption of oils and fats, including raw materials and primary products have been compiled by the Bureau of the Census, Department of Commerce, for the month of July. The data are as follows:—

Primary Products

	Pounds		
	Production	Consumption	Stocks July 31
Animal foots from refining, 100% basis	1,318,000	1,305,000	2,114,000
Babassu oil, crude	.....	1,349,000	3,805,000
refined	[2]	[2]	[2] .....
Castor oil, No. 1	6,927,000	9,016,000	[3] .....
No. 3, crude	1,928,000	1,772,000	[3] .....
Chinawood or tung oil	.....	7,768,000	23,168,000
Coconut oil, crude	26,668,000	35,324,000	[2] .....
refined	20,727,000	17,639,000	7,968,000
Cod and codliver oil	46,000	1,064,000	4,959,000
Corn oil, crude	20,980,000	22,212,000	12,210,000
refined	20,635,000	17,045,000	4,152,000
Cottonseed oil, crude	57,790,000	64,341,000	47,667,000
refined	59,523,000	118,382,000	167,553,000
Fish and marine mammal foots, 100% basis	[7]	[7]	[7] .....
Fish oil, refined	[7]	2,791,000	4,092,000
Fish oil, not specified, except liver oil	1,914,000	645,000	4,269,000
Fishliver oil, not specified	49,000	486,000	650,000
Grease, other than wool	44,720,000	30,615,000	116,596,000
Lard, rendered[4]	153,000,000	[5]	112,623,000
refined[4]	121,000,000	3,950,000	22,353,000
Linseed oil, raw	82,216,000	50,031,000	569,973,000
refined	20,199,000	20,720,000	25,537,000
Marine mammal oil, not specified	.....	2,072,000	13,000
Menhaden oil	12,794,000	4,967,000	18,556,000
Neatsfoot oil	161,000	351,000	1,216,000
Oiticica oil	.....	560,000	1,981,000
Olive oil, edible	.....	327,000	2,921,000
inedible	.....	65,000	289,000
sulphur foots	.....	[2]	2,045,000
Palm oil, crude	.....	3,776,000	[2] .....
refined	[2]	[2]	[2] .....
Palm kernel oil, crude	[2]	[2]	[2] .....
refined	[2]	[2]	[2] .....
Peanut oil, crude[1]	8,015,000	11,465,000	11,141,000
refined	10,754,000	10,286,000	12,148,000
Perilla oil	.....	.....	[2] .....
Rapeseed oil, crude	.....	[2]	1,024,000
refined	.....	385,000	1,631,000
Sardine (pilchard) and herring oil	8,310,000	5,167,000	20,993,000
Sesame oil, crude	[2]	[2]	[2] .....
refined	[2]	[2]	152,000
Soybean oil, crude	159,261,000	119,412,000	104,423,000
refined	109,087,000	100,548,000	73,394,000
Sperm oil	.....	[6]	[6] .....
Tallow, edible	8,533,000	4,593,000	4,320,000
refined	724,000	1,203,000	632,000
inedible	94,663,000	69,633,000	228,096,000
refined	15,472,000	15,421,000	22,380,000
Vegetable oil, not specified, crude	2,678,000	2,778,000	8,050,000
refined	2,897,000	4,046,000	1,876,000
Vegetable foots, 100% basis	13,614,000	15,701,000	38,302,000
Whale oil	.....	[6]	[6] .....
Wool grease	1,030,000	[8]	[8]1,994,000

Primary Products, Except Oil		Production	Shipments and transfers	Stocks July 31
Cottonseed cake and meal	tons.	80,988	108,346	136,092
hulls	tons.	43,146	51,224	73,634
linters	bales.	[9]49,546	58,336	[10]65,009
hull fiber	lbs.	177	164	134
motes and grabbots	lbs.	957	1,907	2,386
Soybean cake and meal	tons.	264,048	280,018	49,995
lecithin	lbs.	1,332,525	1,394,499	616,375
edible soy flour, full fat	tons.	883	854	249
other	tons.	3,921	3,528	1,540
industrial soy flour	tons.	[7]	[7]	[7] .....
Other cake and meal—				
Castor beans	tons.	4,667	4,681	1,269
Copra	tons.	7,214	7,907	4,905
Corn germ	tons.	14,635	14,474	1,673
Flaxseed	tons.	78,281	59,005	44,919
Olive	tons.	[6]	[6]	[6] .....
Peanuts[1]	tons.	5,974	[6]	2,132
Tung nut	tons.	.....	.....	[11] .....
Other	tons.	3,039	3,005	4,652

Secondary Products

	Production	Consumption	Stocks July 31
Animal fat and oil fatty acids	11,246,000	11,623,000	16,021,000
Castor oil, chemically dehydrated	5,295,000	3,209,000	6,991,000
Deodorized oil[12]	26,068,000	14,080,000	7,662,000
Fatty acid stock, including spent and salvaged oils and fats, palm oil refuse, etc. (100% fatty acid basis)	[7]	1,258,000	2,801,000
Fatty acids from fractioning or pressing—			
Oleic acid	4,664,000	3,722,000	[13]8,253,000
Stearic acid	3,272,000	4,331,000	[13]10,572,000
Other acids	[7]	426,000	[7] .....
Fish and marine mammal fatty acids	1,058,000	1,083,000	2,308,000
Glycerin, chemically pure (100% basis)[15]	7,430,000	7,399,000	18,444,000
crude (100% basis)[16]	12,189,000	12,733,000	11,729,000
high gravity and yellow distilled (100% basis)	4,822,000	7,239,000	13,518,000
Grease oil and lard oil	3,976,000	2,116,000	5,549,000
Hydrogenated oil and fats, edible—			
Cottonseed	48,650,000	53,146,000	17,928,000
Soybean	35,025,000	38,491,000	12,938,000
Other	9,336,000	5,190,000	4,141,000
Inedible—			
Animal	2,623,000	2,193,000	2,056,000
Fish	2,937,000	2,827,000	3,454,000
Vegetable	[7]	421,000	623,000
Oleomargarine	89,423,000	[5]	12,184,000
Oleo oil	4,742,000	536,000	2,135,000
Shortening	101,037,000	881,000	71,189,000
Solid fatty acids produced by splitting hydrogenated fats and oils or by hydrogenation of fatty acids	7,371,000	1,122,000	[13]3,261,000
Stearin, animal, edible	2,537,000	2,735,000	1,861,000
inedible	1,347,000	689,000	1,241,000
vegetable oil, winter	8,307,000	9,767,000	9,679,000
Tall oil, crude	26,538,000	14,371,000	37,515,000
refined, including distilled and fractionated tall oil	8,610,000	4,961,000	11,978,000
Tallow oil	1,200,000	632,000	2,547,000
Vegetable oil fatty acids from foots and other than from foots	16,417,000	11,824,000	21,572,000
Winterized oil	44,630,000	30,600,000	22,844,000

Raw Materials at Mills

	Tons		
	Receipts	Crushings	Stocks July 31
Castor beans	10,053	8,976	11,925
Copra	27,003	21,050	16,295
Corn germs	27,378	27,336	1,114
Cottonseed	128,307	177,800	284,500
Flaxseed	113,651	115,326	61,461
Olives	.....	.....	[11] .....
Peanuts[1], shelled	.....	8,426	.....
unshelled	.....	1,428	.....
Soybeans	194,246	469,114	579,459
Tung nuts	.....	.....	.....
Other	4,414	5,568	1,170

[1] Data collected by the Bureau of Agricultural Economics.
[2] Included in "other vegetable oils" to avoid disclosure of individual operations.
[3] Data for stocks of crude palm oil, crude coconut oil, castor oil No. 1 and No. 3, and sperm oil will not be shown for a period of three months (June, July, August) but in September will be restored on a commercial stock basis. The exclusion of these figures for three months is done to make it impossible to calculate reasonably accurate figures for stockpiles of strategic materials.
[4] Data on production collected by the Department of Agriculture. Refined lard production data represent Federally Inspected Lard. Lard stocks include quantities held in refrigerated storage amounting to 116,861,000 pounds for July 31, as reported by the Department of Agriculture.
[5] Data not available.
[6] Included in "other marine mammal oil."
[7] Not shown to avoid disclosure of individual operations.
[8] Held by wool scourers.
[9] Includes 13,117 bales first cut, 35,297 bales second cut, and 1,132 bales mill run. Average gross bale weights:—Total, 601.1; first cut, 573.4; second cut, 612.6, and mill run, 561.8 pounds.
[10] Includes 33,640 bales first cut, 26,344 bales second cut and 5,025 bales mill run.
[11] Included in "other" to avoid disclosure of individual operations.
[12] Winterized-deodorized oil, hydrogenated-deodorized oil and cooking and salad oil not included.
[13] July data include 3,763,000 pounds held by producers.
[14] July data include 3,074,000 pounds held by producers.
[15] July data include 1,819,000 pounds held by producers.
[16] Includes data for synthetic glycerin.

Soybean Ass'n Takes Price Support Position

Soybean producers should continue to "forego the benefits of rigid governmental support prices," now enjoyed by so-called basic farm crops, The American Soybean Association declared in a resolution adopted at its thirtieth annual convention, held in Springfield, Ill., August 28 to 30.

However, the association did go on record asking Secretary of Agriculture Charles F. Brannan to announce any contemplated price support program on the 1950 soybean crop immediately. The resolution pointed out that Mr. Brannan is committed to a support program on 1950-crop soybeans, and that the record 270,000,000-bushel crop in prospect "poses marketing problems never before encountered by the industry. It will be absolutely necessary to supply additional storage in order that the soybean growers can take advantage of the benefits to be derived from such a program."

The association also called for a change in the grading standards that would limit foreign material in No. 2 soybeans to 2 percent instead of the 3 percent now allowed, and moisture to 13 percent instead of the 14 percent allowed under the present standards. Grain branch of the Department of Agriculture was asked to announce immediate public hearings to revise the standards.

"It is the conviction of the soybean grower that lower standards for grading will always result in less return to the grower from the soybean crop," the resolution stated.

The association asked repeal of the "discriminatory and obsolete laws prohibiting yellow margarine" in the fifteen states still retaining such laws.

John W. Evans, Montevideo, Minn., was elected to a second term as president. Chester Biddle, Remington, Ind., was elected vice-president, succeeding Jake Hartz, jr., Stuttgart, Ark. George M. Strayer, Hudson, Ia., was reelected secretary-treasurer.

Herbert L. Huddleston, Lamont, Miss., was elected to the board of directors. Mississippi has had no representative on the board during the past year. David G. Wing, Mechanicsburg, Ohio, was elected to a two-year term as director, succeeding G. G. McIlroy.

Reelected to two-year terms as directors were Mr. Strayer, Calvin Heilman, Kenton, Ohio; Henry I. Cohn, sr., St. Louis, Mo.; LeRoy Pike, Pontiac, Ill., and O. H. Acom, Wardell, Mo.

SOCMA Sept. 13 Meeting To Get Report on Europe

Synthetic Organic Chemical Manufacturers Association has scheduled its first monthly luncheon meeting of the Fall for September 13 at 12:15 p.m. at the Commodore hotel, New York. W. Stewart Hotchkiss, who made a two-and-a-half month economic study of Europe in behalf of SOCMA, will talk on "Impressions on Europe Today." The luncheon is priced at $4.75 per person.

DCAT to Hear Closs

Dr. J. O'Neill Closs, executive secretary of the American Pharmaceutical Manufacturers' Association, will speak on "Trade Associations and Industry Problems," at the sixtieth annual meeting of the Drug, Chemical and Allied Trades section of the New York Board of trade, to be held at Shawnee Inn, Shawnee-on-Delaware, Pa., September 21 to 23. He will be the sole speaker scheduled for the business session on September 22.

SAACI Golfs Sept. 12

Salesman's Association of the American Chemical Industry will hold its final golf outing of the 1950 season on September 12 at Westchester Country Club, Rye, N. Y. Luncheon will be served from 11:30 a.m. to 2 p.m., while dinner is scheduled for 7:30 p.m. Golf prizes and entertainment will be features of the outing.

Contact Committee to Meet

The Combined Contact Committee of the American Drug Manufacturers' Association and the American Pharmaceutical Manufacturers' Association will be held at the Washington hotel, Washington, D. C., October 23 and 24.

SCI Elects Esselen Vice-Pres.

Dr. Gustavus J. Esselen, vice-president of the United States Testing Company, Hoboken, N. J., has been elected vice-president of the Society of Chemical Industry, London. He has been chairman of the American section for the past year.

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Non-volatile Matter	0.003% Max.
Sulfite	Nil
Sulfate	Nil
Foreign Sulfides	Will not discolor Lead Acetate solution

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Current Market Quotations

Chemicals and Related Materials

September 1, 1950

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

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A

Acacia (see Gum, arabic).

Acenaphthene, below 92.5 C., m.p., dms., works lb 40 - —
above 92.5 C. m.p. dms., works, lb. .50 - —

Acetaldehyde 99% dms., c.l., frt. equald lb. .12 - —
l.c.l., frt. equald lb. .12¾ - —
tanks, frt. equald lb. .10 - —

Acetaldol (see Aldol)

Acetamide, tech. 6b., dms lb 45 - —

Acetanilide tech. bbls., c.l., dlvd lb. .24½ - —
l.c.l., ton lots lb. .25½ - —
smaller lots lb. .28½ - —
USP bbls. 2,000-lb. lots lb 50 - —
smaller tots lb 56 - —

Acetic anhydride dms. c.l. frt. alld. E lb. .14 - —
l.c.l., frt. alld. E lb. .15½ - —
tanks, frt. alld E lb. .12½ - —

Acetoacetanilide, bbls., dlvd lb. .69½ - —
6b. dms., c.l., dlvd lb. .68½ - —
l.c.l., dlvd lb. .69½ - —

Acetoacetorthoanisidide, 6b. dms., works, 500 lbs. or more lb 1.50 - —
smaller tots, same basis lb 1.75 - —

Acetoacetorthochloranilide bbls., dlvd lb 1.15 - —
6b. dms., c.l., dlvd lb. 1.14 - —
l.c.l., dlvd lb. 1.15 - —

Acetoacetorthotoluidide, bbls., dlvd lb. .74½ - —
6b. dms., c.l., dlvd lb. .73½ - —
l.c.l., dlvd lb. .74½ - —

Acetoactparaphenetidide, dms., 500 lbs. or more, works lb. 1.65 - —
smaller tots same basis lb 1.90 - —

Acetone, CP, dms., c.l., dlvd lb. .09¼ - .10¼
l.c.l., dlvd lb. .10 - .11
tanks, dlvd lb. .07½ - .08½

Methyl (see M).

Acetonitrile, dms., c.l., works lb. 43 - —
l.c.l., works lb. 45 - —

Acetophenetidin USP, bbls., works, frt. equald lb. 1.10 - 1.33

Acetophenone, cns. dms lb 1.30 - 1.85
tech., l.c.l., dms., works lb. .75 - —

Acetyltributyl citrate, dms. lb. .43 - .45
smaller pkgs lb. .48 - .54

Acetyltriethyl citrate, dms. lb. .36 - .38
smaller pkgs. lb. .41 - .47

Acid, abietic, com'l, dms., c.l., works lb. .10 - —
l.c.l., works lb. .1145 - —
cryst., dms., c.l., works lb. .05½ - —
l.c.l., works lb. .06 - .06½

Acetic, com'l or redist., 28%, bbls. 100 lbs. 4.00 - —
56%, bbls 100 lbs. 6.60 - —
70%, bbls 100 lbs. 7.60 - —
80%, bbls 100 lbs. 8.25 - —

glacial, synthetic, CP, dms., works 100 lbs.13.50 - —
chys., works 100 lbs.18.50 -22.50
USP, chys., works 100 lbs.14.00 -18.00
tech., dms., c.l., works 100 lbs. 9.50 - —
l.c.l., works 100 lbs.10.00 - —
tanks, works 100 lbs. 8.00 - —

Acetic annydride (see Acetic anhydride above).

Acetylsalicylic, USP special, bbls., makers primary distrib., point of ship't, 1,000-lb. lots lb. .57 - —
standard, flake, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls. same basis. lb. .52 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Aconitic, 5,000 lbs. 1 shipt, dms., lb. .49 - —
smaller tots, dms lb. .49½ - .54½

Adipic, fib. dms., works lb. .26½ - —

Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75

Anthranilic, resub., bbls lb 2.10 - —
tech., bbls., frt. equald lb. 1.21 - —

Arsenous, tech (see Arsenic, white).
USP (see Arsenic trioxide).

Ascorbic, USP dms., 500-kilo lots. kilo.24.50 - —
25-50 kilo tots kilo.25.00 - —
10-kilo lots kilo.25.35 - —
5-kilo lots kilo.25.70 - —
bots., kilo lots kilo.26.41 - —
500 grams kilo.27.47 - —

Battery, chys., c.l., E. works. 100 lbs. 2.00 - —
l.c.l., E., works 100 lbs. 2.30 - —

Benzoic, tech., bbls., dms., 100 lbs. or more lb. 43 - —
USP, bbls., dms., 100 lbs up lb. .54 - —

Betahydroxynaphthoic bbls., works lb. 1.25 - 1.39

Boric, tech., 99½%, cryst., bgs., c.l., works ton.115.25 - —
ton lots ex whse, N. Y. or Chi. ton.160.00 - —
less ton lots, same basis. ton.165.00 - —
bbls., c.l., works ton.135.25 - —
ton lots, ex whse., N. Y. or Chi. ton.180.00 - —
less ton lots, same basis. ton.185.00 - —
bulk, c.l., works ton.111.75 - —
gran., bgs., c.l., works ton.90.25 - —
ton lots, ex whse., N. Y. or Chi. ton.135.00 - —
less ton lots, same basis. ton.140.00 - —
bbls, c.l., works ton.110.25 - —
ton lots, ex whse., N. Y. or Chi. ton.155.00 - —
less ton lots, same basis. ton. 160.00 - —

Acid, boric, tech., 99½%, gran., bulk c.l., works ton.56.75 - —
powd., bgs., c.l. works ton.95.25 - —
ton lots ex whse., N. Y. or Chi ton.140.00 - —
less ton lots same basis ton.145.00 - —
bbls., c.l. works ton.115.25 - —
ton lots ex whse., N. Y. or Chi ton.160.00 - —
less ton lots same basis. ton.165.00 - —
bulk c.l., works ton.91.75 - —
USP $25 per ton higher.

Broenner's, bbls lb. 1.34 - —

Butyric, 99%, dms, c.l. works lb. .36½ - —
l.c.l., works lb. .37 - —
tankcars, works lb. .35 - —

Cacodylic, bots. lb.10.00 11.00

Camphoric, natural, dms. lb 5.00 5.65
synth., dms lb 4.00 4.75

Capric, 70%, dms lb. .27¾ - .28¼

Caprylic, 65%, dms lb. .49¼ - 50

Castor oil, split, dms lb. .28¼ - .28¾

Chicago, bbls., frt. alld lb. 2.92 - —

Chlorosulphonic, dms., c.l., works lb. .0325- .036
l.c.l., works lb. .0375- .041
tanks, works lb. .0275- .031

Chromic, 99½-99¾% dms., c.l. works lb 25½ —
l.c.l., works lb .26 .27

USP (see Chromium trioxide)

Cinnamic, refd. bots lb 2.50 4.00

Citric, anhyd. gran., fine gran., dms., c.l. lb 26½ - —
10,000 lbs. 1 ship't. lb 27 - —
smaller lots lb 27½ - —
kgs. lb 28½ - —

Anhydrous citric acid powder ½c. per lb higher

USP cryst., dms., c.l. lb 27½ - —
10,000 lbs., 1 ship't lb 28½ - —
smaller lots lb 29½ - —
gran., fine gran., dms., c.l. lb 24½ - —
10,000 lbs., 1 ship't lb 25 - —
smaller lots lb 25½ - —
kgs. lb 26½ - —

USP citric acid powder ½c. per lb higher.

Cleve's, mixed, bls 72 —

Coconut oil, dist., dms lb. .27 - .28¼
double dist., dms lb. .29 - .30¼

Cottonseed oil, dist., dms lb. .14½ - .15¾
double dist., dms lb. .15 - .16¼

Cresylic, dom., coaltar, 50% above 207°C, non-ret dms., c.l., frt. equald gal. .91 - 1.06
l.c.l., non ret. dms., same basis lb. .94 - 1.09
ret. dms., c.l., same basis gal. .93 - —
l.c.l., same basis gal. .96 - —

Acid, cresylic, dom. coaltar, 50% above 207°C, tanks, same basis gal. .80 - .93
204° to 207° C, non-ret. dms., c.l., same basis gal. 1.01 - 1.06
l.c.l., same basis gal. .94 - 1.09
ret. dms. c.l. same basis. gal. .98 - —
l.c.l., same basis gal. 1.01 - —
tanks, same basis gal. .90 - 1.01

petroleum, 179°C to 198°C, non-ret dms., c.l., San Francisco and Los Angeles gal. .67½ - —
l.c.l., same basis gal. .69½ - .71½
tanks, same basis gal. .57 - —

195° to 213°C non-ret. dms., c.l., San Francisco and Los Angeles gal. .55½ - —
l.c.l., same basis gal. .57½ - .59½
tanks, same basis gal. .45 - —

200°C to 222°C, tanks, Wilmington, Cal gal. .40½ - —

211°C to 236°C non-ret. dms., c.l., San Francisco and Los Angeles gal. .53½ - —
l.c.l., same basis gal. .55½ - .57½
tanks, same basis gal. .43 - —

220°C to 242°C, tanks, Wilmington, Cal gal. .38½ - .41½

237°C to 265°C, non-ret. dms. c.l. San Francisco and Los Angeles gal. .51½ - —
l.c.l., same basis gal. .53½ - .55½
tanks, same basis gal. 41 - —

245°C to 298°C tanks, Wilmington, Cal gal. .36½ - —

295°C to 325°C, tanks, Wilmington, Cal gal. .26½ - —

imported coaltar 75% at 215°C or over, dms., c.l.f. gal. .95 - 1.10

Crotonic 6b dms. works lb .29 —

Cyanoacetic, tech. bbls lb .90 1.25

Desoxycholic lb.17.00 -22.00

Dichlorophenoxyacetic, (see "D" 2, 4-D)

Diethylbarhituric (see Barbital).

Diglycolic, bgs., works lb. .14 - —

Ethylthexoic, dms. c.l., works lb. .32 - —
l.c.l., works lb. .32½ - —
tanks, works lb. .30½ - —

F, crude, paste, bbls., works lb. 1.52 - —

Folic bots. fib cans. kilo or more gram 2.00 —

Formic, 85% chys. c.l. works lb. 13 - .13½
l.c.l., works lb. .13½ - 14
90%, chys., c.l. works lb. .13½ - .14
l.c.l., works lb. .14 - .14½

Fumaric, tech., bbls., dms lb. .30 .31

Gallic, NF VII, bbls., 1,000-lb. lots lb 1.60 —
smaller tots lb 1.63 1.65
technical, bbls., 1,000-lb. lots lb 1.43 —
smaller lots lb 1.46 1.48

Gamma, bbls., frt. alld. lb. 1.32 - —

Acid, gluconic, tech., 50%, bots lb. .23 - .31
dms lb. .14 - —
kgs. lb. .16 - —

Glutamic, laevo, 99%, fiber dms., 100 lb lots, works lb 2.30 2.40
25 lb lots lb. 2.45 —

Glycerophosphoric, 35%, dms., works lb. 2.13 2.29

Glycolic (see Acid, hydroxyacetic).

H, 100% basis, bbls., works lb. .73½ —

Hydriodic, 45-47%, chys lb 2.57 2.59
57%, chys lb 2.86 - —

Hydrobromic, medicinal, 48%, chys., dlvd. E lb. .38 —
tech., 48%, chys., dlvd E lb. .34 .38

Hydrochloric (see Acid, muriatic).

Hydrocyanic, cyls., works lb 1.00 - —
dilute, NF, 2%, 5-lb bots lb. .37 - —

Hydrofluoric, anhyd., cyls., works. lb. .19 - .19½
tanks, works lb. .16½ - —
30%, wood or rubber, dms., works lb. .08½ - .09
70%, steel dms., works lb. .143 - .148

Hydrofluosilicic, 30-35%, bbls lb .03 .09

Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .084 - —
tanks Belle, W. Va., 100% basis lb. .085 —

Hypophosphorus, purif., 50%, chys. lb 1.30 1.32

USP, chys lb. .78 —

J, bbls., works, 100% basis lb. 2.50 2.83

L, bbls., frt. alld lb. 1.25 - —

Lactic edible 50%, bbls., 20 or more lb. .18½ - —
smaller lots lb. .19 - —
80%, bbls. 20 bbls. or more. lb. .235 .339
plastic grade, 50% bbls., 20 or more lb. .19¾ —
10 or less lb. .20¾ —
80%, bbls., 5 or less lb. .3495- .3545
tech., 22% bbls., c.l., works 100 lbs. 5.80 —
l.c.l., works 100 lbs. 6.20 —
chys., works 100 lbs. 6.70 —
44%, bbls., c.l., works 100 lbs.10.95 —
l.c.l., bbls., works 100 lbs.11.35 —
chys., works 100 lbs.11.85 —
NF, 85% chys lb. .69 .72

Laurent's, bbls lb. .60 .67

Lauric, dist., 85-90%, dms lb. .30 - .30¾

Linseed oil, reg. dist., dms lb. .2170- .2220
water-white, dms lb. .2470- .2520

Maleic, powd., dms Anhydride (see M). lb 30 .31

Malic, dms lb. .43 —

Mandelic NF dms., 1,000-lb. lots lb. 1.83 - —
smaller tots lb. 1.90 - 2.10

Methacrylic, dms., c.l., and truckloads, works lb. .76 - —
less than truckload, works lb. .76½ - .80

Molybdic, dms., 85-92% works lb. .33 - —

Monochloroacetic, purified, flake, 99%, dms lb. .22½ - .24½
tech., flake, 96-97%, bbls lb. .18 - .21

Muriate, 18°, chys., c.l., works, 100 lbs. 1.90 - 2.30
l.c.l., works 100 lbs. 2.20 - 3.40
tanks, works ton.22.00 -23.00
20°, chys., c.l., works 100 lbs. 2.15 - 2.53
l.c.l., works 100 lbs. 2.45 - 2.65
tanks, works ton.25.00 - —
22°, chys., c.l., works 100 lbs. 2.65 - 2.80
l.c.l., works 100 lbs. 3.05 - 3.90
tanks, works ton.28.00 -30.00

CP, USP, consumers, chys., extra c.l., frt. equald lb. .07¾ —
l.c.l., same basis lb. 09¼ 09¾
6 pint bottles extra, cs., c.l., frt. equald lb. .12¾ —
l.c.l., same basis lb. .14¼ .15¼

Acid, muriatic, CP, USP, prices to dealers 1½c. per lb. less.

Myristic, dist., dms lb. .30½ - —

Naphthenic 220-230 acidity, dms., works lb. .13 - —
tanks, works lb. .11 - —
230-240 acidity, dms., works lb. .22 - —
tanks, works lb. .19 - —

Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)

Naphthol (1)-5-sulphonic (see Acid L)

Naphthol(1)-5-sulphonic,8-amino (see Acid, S).

Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).

Naphthol(2)-6,8-disulphonic (see Acid, Gamma)

(5)-7-Sulphonic,2-amino (see Acid, J).

Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)

Naphthylamine(1)-3-sulphonic (see Acid, Laurent's)

(2)-6-sulphonic (see Acid, Broenner's)

(2)-7-sulphonic (see Acid, F).

(2)-1-sulphonic (see Acid, Tobias).

Neville and Winther's, dms., frt. alld. lb. .97 - —

Nicotinic, USP, dms., frt. adjusted kilo. 8.00 - 8.30

Nicotinic amide (see Nicotinamide).

Nitric, 36° chys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.40 - 6.10
38° chys. c.l., E. works 100 lbs. 5.50 - —
l.c.l., E. works 100 lbs. 5.90 - 6.60
40°, chys., c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E. works 100 lbs. 6.40 - 7.10
42° chys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.90 - 7.60

CP, NF, consumers, chys., extra, c.l., frt. equald lb. .11½ - —
l.c.l., same basis lb. .13 - .13½
6 pint bottles extra, cs., c.l., frt. equald lb. .15½ - —
l.c.l., same basis lb. .17 - .18

Acid, nitric, CP, NF, prices to dealers 1½c. per lb. less.

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dist.	distilled	neut.	neutral
		dextro.	dextrorotatory	NF	National Formulary
alld.	allowed	distr.	distributor		
ammo.	ammonia	djns.	demijohns	nom.	nominal
amorph.	amorphous	dlvd.	delivered	No.	number
anhyd.	anhydrous	dms.	drums	ord.	ordinary
a.p.a.	available phosphoric acid	dom.	domestic	oz.	ounce
		E.	east	Pac.	Pacific
artif.	artificial	e.p.	end point	pf.	proof
ASTM.	American Society for Testing Materials	equald.	equalized	phos.	phosphate
		F.	fahrenheit	photo.	photographic
		ferment.	fermentation	pkgs.	packages
Be.	Baume	ffa.	free fatty acid	powd.	powdered
bgs.	bags	ffc.	free from chlorine	precip.	precipitated
bbls.	barrels			prod.	producer
bls.	bales	fib.	fiber	pt.	point
bots.	bottles	f.o.b.	free on board	pulv.	pulverized
b.p.	boiling point	F.P.A.	free of prussic acid	purif	purified
b.p.l.	bone phosphate of lime			redist.	redistilled
		frt.	freight	refd.	refined
b.r.	boiling range	fus.	fused	refy.	refinery
bxs.	boxes	gal.	gallon	reg.	regular
C.	centigrade	gran.	granular	resub.	resublimed
chys.	carboys	grd.	ground	ret.	returnable
CD	completely denatured	i.&a.	iron and aluminum	SD.	specially denatured
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	s.d.	single distilled
				S. E.	southeast
cks.	casks	imp.	imported	secs.	seconds
c.l.	car lots	incl.	included	s.g.	specific gravity
cns.	cans	indust.	industrial	ship't	shipment
col.	color			solut.	solution
com'l	commercial	kgs.	kegs	s.u.	standard unit
conc.	concentrated	lacq.	lacquer	synth.	synthetic
CP	chemically pure	lb.	pound	tech.	technical
cps.	centipoises	l.c.l.	less than car lots	USP.	U. S. Pharmacopoeia
cryst.	crystal	liq.	liquid		
cs.	cases	m.a.p.	mixed aniline point	vis.	viscosity
ctns.	cartons			VM&P.	varnish makers & painters
cyls.	cylinders	min.	minimum		
dbl.	double	m.p.	melting point	W.	west
denat.	denatured	N.	nitrogen	w.w.	water white
dest.-dist.	destructive-distilled	nat.	natural	whse.	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown, gives the price of 2,000 pounds of the material.

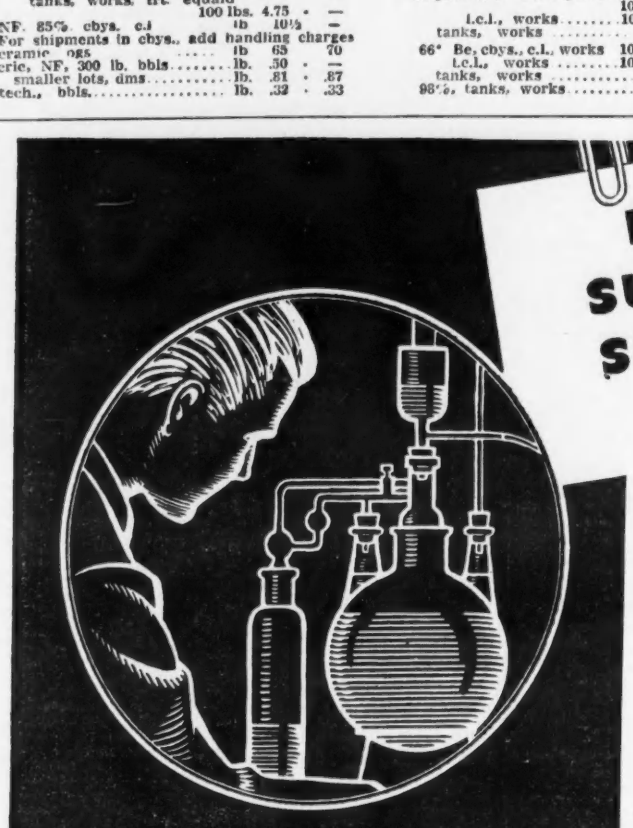
Acid, Octoic—Alcohol, Phenylethyl

Acid, octoic (see Acid, ethylhexoic).
Oleic (see Oil red).
Oleum (see Acid, sulphuric, fuming).
Orthocresotinic, dms., ton lots, works lb. .62 - —
smaller lots, works lb. .64 - —
Oxalic, bbls., c.l., works lb. .14¼ - —
10,000 lbs., works lb. .14½ - —
smaller lots works lb. 15¼ - 15¼
Palm oil, white, dist., dms lb. 21¼ - .21¾
Para-aminobenzoic, purified, dms., 100 lbs. or more, works lb 3.75 - —
smaller lots, works lb 3.85 - 4.00
technical, dms lb. 1.74 - —
Para-aminosalicylic, dms., 1,000-lb lots or more lb 5.50 - —
smaller lots lb. 5.55 - 6.50
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic, dms lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Peanut oil, s.d., dms lb 12¾ - 13¾
Perchloric 60%, cbys., works lb 58 - .62
70-72%, cbys., works lb .61 - .66
Phenylacetic, bots lb. 1.45 - 1.75
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).
Phosphoric, food grade, 75%, cbys., c.l. works, frt. equald 100 lbs 6.50 - —
l.c.l., works, frt alld 100 lbs. 7.00 - 7.50
tanks, works, frt. equald 100 lbs. 4.75 - —
NF, 85% cbys. c.l lb 10½ - —
For shipments in cbys., add handling charges
Picramic, ngs lb .65 - .70
Picric, NF, 300 lb. bbls lb. .50 - —
smaller lots, dms lb. .81 - .87
tech., bbls. lb. .32 - .33

Acid, propionic, natural, dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .21 - —
tanks, works lb. .19 - —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb. 2.95 3.18
resub., dms lb. 3.30 3.45
Pyroligneous, dms. incl., l.c.l., works, South gal. .31 - —
Ricinoleic (see Acid, castor oil, split).
S, bbls., works lb 2.97 3.00
Salicylic, crude, bbls lb. .28 - —
sublimed, tech., bbls., c.l lb. .33 - —
l.c.l. lb. .40 - —
dyestuffs grade, bbls lb. .34 - —
USP, cryst., bbls lb. .42 - —
powder, bbls. lb. .47 - —
Sebacic, purified, dms, c.l. works. lb. 47 —
l.c.l. works lb. 49 - 53
Soybean oil, single, dist., dms lb. .16¼ - .17½
double dist., dms lb. .17¼ - .18½
Stearic, double pressed, bgs lb. .17½ - .18¾
single-pressed, bgs lb. .16½ - .17¾
triple-pressed, bgs lb. .19¾ - .21
Succinic, purified, crys., bbls., works lb 75 —
tech. bbls. works lb 63 75
Sulphanilic, tech., dms., c.y., frt. alld lb. .17 - —
l.c.l., frt. alld lb. .19 - —
Sulphuric, 60° Be. cnys. c.l., works 100 lbs. 1.65 —
l.c.l., works 100 lbs. 1.95 2.50
tanks, works ton. 14.40 - 14.50
66° Be, cbys., c.l., works 100 lbs. 1.90 —
l.c.l., works 100 lbs. 2.30 2.75
tanks, works ton. 17.75 - 18.00
98%, tanks, works ton. 18.60 - 19.00

Acid, sulphuric, CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾ - —
l.c.l., same basis lb. .09¼ .09¾
8 pt. bottles extra, cs., c.l., works, frt equald lb. .11¼ —
l.c.l., same basis lb. .12¾ - .13¾
fuming, 20%, tanks, works ton 19.85 - 20.00
acid sulphuric, CP, NF prices to dealers 1½c. per lb. less.
Tallow, dist., dms lb. .14 - .15¼
Tannic, tech, 60-62% dms lb. .68 .69
70-72% dms lb .80 .85
75-76% dms lb .86 .90
fluffy, bbls., 1,000-lb. lots lb 1.45 - —
smaller lots lb 1.46 1.55
powder, bbls., 1,000-lb. lots lb 1.35 - —
smaller lots lb 1.36 1.50
Tartaric, USP, dom., 230, 250-lb. dms., 10,000 lbs., 1 ship't. lb. .31½ - —
smaller lots lb. .32 - —
100-lb. dms lb. .33 - —
small dms lb. .35 - .37
imported, kgs lb. .27 .29
Thioglycolic, refined, bbls., cbys., basis 100% lb 1.60 1.80
tech. bbls cbys basis 100% lb 1.40 —
Tobias, bbls., frt. alld lb. .69 - —
Trichloroacetic bots lb 2.00 2.50
Toluenesulphonic, dms, c.l., works lb .18½ - —
l.c.l. works lb. .20 —
tanks, works lb 17 —
Tungstic tech. kgs. works lb 2.20 2.40
Undecylenic, dms lb 1.00 1.25
Aconite leaves, bls lb. .55 - .60
Root, bls lb 48 52
Aconitine amorph., mild, bots oz 27.50 32.50
cryst., potent, bots oz 78.00 85.00
Acrolein dms, works lb 50 —

Acrylonitrile, dms., c.l., works lb. .40½ - —
l.c.l., works lb. .41 - .60
tanks, works lb. .39 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .30 40
Agar, USP, Kobe, No. 1 strip, bls lb 1.28 1.30
powdered, 30 mesh, fib. dms lb 1.65 —
Agaric, white, bls lb. 1.60 - 1.75
Agrimony herb bls lb .30 35
Alanine dextro-laevo, dms, works, lb 8.50 - 11.00
Albumen (eggs), edible, flake, bbls. lb. 1.35 - 1.37
powd., bbls lb 1.39 - 1.41
tech., cryst., bbls lb. .75 - .80
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .65 - .70
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾ - —
l.c.l., dlvd lb. .32½ - —
tanks, dlvd. lb. .30 - —
Amyl ex pentane dms, c.l. frt. alld, E. Miss lb. .16¾ - —
l.c.l., frt. alld E. of Miss lb. .17¾ - —
tanks, frt. alld E. of Miss lb. .15 —
(see also Fusel oil ref.)
fermentation refined, 126-132°C, dms., c.l., dlvd lb. .33¾ - —
l.c.l., dlvd lb. .34¾ - —
tanks, dlvd lb. .32 —
128-132°C. dms. l.c.l. dlvd lb 38 —
ACS grade dms. l.c.l. dlvd lb. 42 —
Benzyl, NF, dms lb. .38½ - .89
tech dms. works frt equald. lb 45 50
Butyl, fermentation, normal dms., c.l., frt alld lb. .14¾ - .23¾
l.c.l., frt. alld lb. .15¾ - .29¾
tanks, frt. alld lb. .13 - .27
synthetic, normal, dms. c.l., frt. alld lb. .14¾ - —
l.c.l., frt. alld lb. .15¾ - —
tanks, frt. alld lb. .13 - —
secondary, dms., c.l., frt. alld. lb. .10¾ - .11¾
l.c.l., dlvd., frt. alld lb. .11½ - .12½
tanks, dlvd., frt. alld lb. .09 - .10
tertiary, dms., c.l., frt. alld. lb. .13¾ - —
l.c.l., frt. alld lb. .14½ - —
tanks, frt. alld lb. .12 - —
Capryl, dms., c.l., works lb. .26½ - —
l.c.l., works lb. .27½ - —
tanks, works lb. .25 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots. lb. 2.75 - 3.20
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R. gal. .60 - .87
l.c.l., dlvd. E. of Miss. R. gal. .64 - .96
tanks, dlvd. E. of Miss. R gal. .48 - .75
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary, solvent, dms., c.l., dlvd. E. of Miss. R gal. .60 - .87½
l.c.l., same basis gal. .64 - .96½
tanks, same basis gal. .48 - .75½
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R gal. .58½ - .87
l.c.l., same basis gal. .62½ - .96
tanks, same basis gal. .46½ - .75
SD2B, dms., c.l., E. of Miss. R. gal. .58 - .88
l.c.l., same basis gal. .62 - .97
tanks, same basis gal. .46 - .76
SD3A, dms., c.l., E of Miss. R. gal. .57 - .86
l.c.l., same basis gal. .61 - .95
tanks, same basis gal. .45 - .74
SD23A, dms., c.l., E. of Miss. R. gal. .59 - .87
l.c.l., same basis gal. .63 - .96
tanks, same basis gal. .47 - .75
SD23H, dms., c.l., E. of Miss. R. gal. .60 - .87½
l.c.l., same basis gal. .64 - .96½
tanks, same basis gal. .48 - .75½
SD27A, dms., c.l., E. of Miss. R. gal. .94 - —
l.c.l., same basis gal. .98 - 1.03
tanks, same basis gal. .82 - —
SD30, dms., c.l., E. of Miss. R. gal. .56½ - .84
l.c.l., same basis gal. .60½ - .93
tanks, same basis gal. .44½ - .72
SD35A, dms., c.l., E. of Miss. R. gal. .61½ - .91½
l.c.l., same basis gal. .65½ - 1.00½
tanks, same basis gal. .47½ - .79½
SD40, dms., c.l., E. of Miss. R. gal. .58 - .88½
l.c.l., same basis gal. .62 - .97½
tanks, same basis gal. .46 - .76½
Diacetone, acetone free, dms., c.l., dlvd lb. .13¾ - —
l.c.l., dlvd. lb. .14½ - —
tanks, dlvd. lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼ - —
l.c.l., dlvd. lb. .14 - —
tanks, dlvd. lb. .11½ - —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R gal. 17.67 - 17.97
l.c.l., same basis gal. 17.71 - 18.06
tanks, same basis gal. 17.55 - 17.85
tax free, dms., c.l., dlvd. E. Miss. R gal. .57 - .87
l.c.l., same basis gal. .61 - .96
tanks, same basis lb. .45 - .75
absolute, 200 pf., tax paid, dms., c.l., same basis gal. 18.37 - 18.87
l.c.l., same basis gal. 18.61 - 18.96
tanks, same basis gal. 18.45 - 18.75
Ethylbutyl, dms. c.l., works lb. .29½ - —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd lb. .29¼ - —
l.c.l., dlvd lb. .30¼ - —
tanks, dlvd lb. .27¾ - —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb 21½ - —
l.c.l. works lb. .23 - —
tanks, works lb. .18 - —
Isoamyl (see Alcohol, amyl fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .14¾ - —
l.c.l., works lb. .15¾ - —
tanks, dlvd lb. .13 - —
Iso-octyl, dms., c.l., works lb. .29¼ - —
l.c.l., works lb. .29¾ - —
tanks, works lb. .26¼ - —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd gal. .44 - .49
l.c.l., dlvd gal. .49 - .54
tanks, dlvd gal. .32 - .37
95%, dms., incl., c.l., dlvd gal. .45½ - .50½
l.c.l., dlvd gal. .50½ - .55½
tanks, dlvd gal. .33½ - .38½
99%, dms., incl., c.l., dlvd gal. .47 - .52
l.c.l., dlvd gal. .52 - .57
tanks, dlvd gal. .35 - .40
Methyl (see Metnanol).
Methylamyl (see Carbinol, methyl-(sobutyl).
Nonyl (see Trimethylhexanol).
Octyl, perfumer's grade, bots lb. 1.70 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, cns lb. 1.30 - 1.60



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Choline Citrate, Tri
Choline Dihydrogen Citrate
Choline Bitartrate
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Methylene Blue U.S.P.
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Nicotinamide HCl
Para Aminosalicylic Acid (and sodium salt)
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Alcohol, polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms, c.l., dlvd. lb. .10¾- —
l.c.l., dlvd lb. .11¾- —
tanks, dlvd lb. .09 - —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Waverly, N. Y lb. .47 - —
dms., Niagara Falls, N. Y lb. .40½- —
l.c.l., Waverly, N. Y lb. .42½- —
tanks, Niagara Falls, N. Y lb. .38 - —
Industrial grade, dms, c.l., Niagara Falls, N. Y lb. .29 - —
l.c.l., Waverly, N. Y lb. .30½- —
tanks, Niagara Falls, N. Y. lb. .26½- —
Aldol, 95% dms., works lb. .15 - .16
denaturing grade dms gal 1.33 - 1.48
Aldrin, 60% solut. dms., c.l. works. frt. alld lb. 1.06 - —
l.c.l., works, frt. alld lb. 1.20 - —
Aletris root bgs lb 1.50 - 1.60
Algin, bbls., fib. dms lb. .76 - 1.20
Alizarin (see Red, alizarin)
Alkanet root, bgs lb. .35 - .40
Allethrin, 100% dms., 1 to 10 dm. lots lb. 45.00 - —
smaller lots, works lb. 50.00 - 55.00
solution, 20%, dms., 100 lb. lots, works lb. 9.00 - —
10%, dms., works gal. 37.75 - —
2%, dms., works gal. 7.75 - —
Allspice, Jamaica (see Pimento)
Mexican, bgs lb. .21½ Nom.
Allyl bromide, cnys., 5,000 lbs., works lb. .99 —
smaller lots, works lb. 1.05 - 1.10
Allyl chloride, dms., c.l., dlvd lb. .16¾- —
l.c.l., dlvd lb. .17½- —
tanks, dlvd lb. .15 - —
Starch, solid, dms., works lb. .58 - —
solution, 40%, dms., works lb. .279 - .297
50%, dms., works lb. .446 - —
Aloe, Cape, cs lb. .22 - .23
Curacao, kgs. lb. .35 - .36
Socotrine kgs lb. .35 - .36
Aloin, USP bbls. dms. kgs lb. 3.50 - —
Alphanaphthol, bbls., frt. alld lb. .77 - —
Alphanaphthylamine, bbls., frt. alld. lb. .45 - —
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 - 2.40
Alphanitronaphthalene, bbls., frt. alld lb. .37 - —
Alphapicoline (et dms, c.l. works, frt. equald lb. .29½- —
l.c.l., works, frt. equald lb. .30 - —
Alphapinene, tanks, South, works gal. No prices.
Alphaterpineol dms, t.c.l., dlvd lb. .17 - —
Alphatocopherol, bots kilo. 350.00 - —
Acetate, bots kilo. 350.00 - —
Althea root, NF, peeled bls lb. .30 - .40
Alum, ammonium, gran., bbls., works 100 lbs. 3.30 - —
lump, bbls., works 100 lbs. 4.05 - —
powd., bbls., works 100 lbs. 4.20 - —
USP, burnt, bbls lb. .20 - .21
hydrous, bbls lb. .07¾- .08
Potassium, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works 100 lbs. 4.30 - —
powd., bbls., works 100 lbs. 4.45 - —
USP, burnt, bbls lb. .20 - .21
hydrous, bbls lb. .07¾- .08
Alum, potash-chrome, dms lb. .17 - —
Soda, bbls., c.l. works 100 lbs. 3.25 - —
l.c.l., dlvd 100 lbs. 4.25 - 5.00
Alumina, calcined, bgs, c.l., works lb. .03½- .05
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works lb. .11 - —
20%, bbls., l.c.l., works lb. .10 - —
Chloride, anhyd, com'l, dms., c.l., works lb. .12 - —
l.c.l., works lb. .12½- —
cryst., com'l, dms., c.l. works lb. .06½- —
l.c.l., works lb. .069- —
NF, gran., dms., works lb. .27 - .28
solution, 32°, cbys., c.l., works lb. .03¼- —
l.c.l., works lb. .04 - —
Fluoride, tech, anhyd., bbls., c.l., works lb. .10 - —
l.c.l., works lb. .11 - .13
Formate, basic solution, cbys., c.l lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ton 50.00 - 54.00
l.c.l., works ton 72.00 - 86.00
light, bgs., dlvd lb .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .21¼- —
contract, works lb. .20¼- —
9-9½% Al_2O_3, fib. dms., works lb. .18¼- —
contract, works lb. .17¼- —
dried, USP XII, fib. dms., works. lb. .79½- —
contract, works lb. .76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls lb. .38½- —
Linoleate, solid, dms., frt. alld lb. .39½ —
Metal, 99%+, ingots, 10,000 lbs. lb. .17½- .18½
pigs, 10,000 lbs. lb. .16½- .17½
Naphthenate, liquid, 1.7%, frt. alld. lb. .24½- .25
Oleate, dms. precip lb. .35¼- —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms., frt. alld lb. .14 - .15
kgs., ton, frt. alld lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld lb. .32 - .33
kgs., frt. alld lb. .31 - —
600 mesh, dms., frt. alld lb. .35 - .37
kgs., frt alld lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs. frt. alld lb. .50 - —
Aluminum oxide flour prices W of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd lb. .36 - .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld lb. .15 - —
Paste, lining, extra fine, dms lb. .58 - —
standard, dms lb. .39¼- —
Powder, lining, extra fine, dms lb. 90 - —
standard, dms lb. .64½- —
rubber comp., dms lb. .48½- —
unpolished, standard, dms lb. .44½- —
varnish standard, dms lb 49 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb dm., 1½c per lb. for 50-lb dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

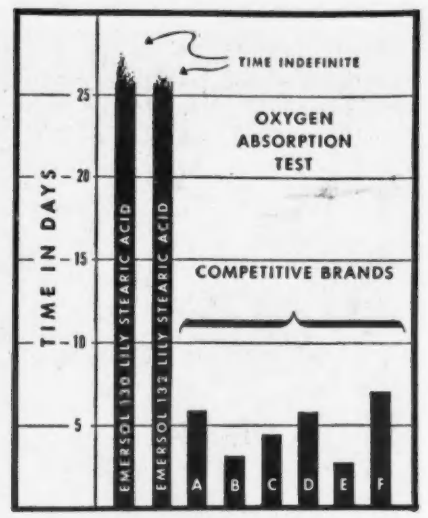
Aluminum resinate, precip., dms., frt. alld lb. .24 - —
Stearate, dibasic, ctns., c.l. lb. .32 - —
l.c.l. lb. .33 - —
monobasic, ctns., c.l. lb. .32 - —
l.c.l. lb. .33 - —
tribasic, ctns., c.l. lb. .32 - —
l.c.l. lb. .33 - —
Sulphate, com'l, bulk, c.l., works, 100 lbs. 1.65 - —
iron-free bgs. c.l., works, frt. equald 100 lbs 2.75 —
l.c.l., works 100 lbs 3.15 —
NF, gran dms. works lb .27 .28
powd., dms., works lb .32 .33
Trihydrate heavy (see Aluminum hydrate).
Ambergris, gray bots oz. 8.00 - 10.00
Aminoazotoluene bbls lb. 1.03 - —
Aminomethylpropanol, cns., dms., works lb. .60 - —
Aminoethylethanolamine, dms., c.l., works lb. .42 - —
l.c.l. works lb .42½- —
tanks works lb .40 - —
Aminophylline USP 100-lb dms lb 5.35 - —
Aminopyrine USP bots. dms lb 6.00 6.15
Ammonia anhydrous fertilizer tanks, works ton 74.00 - 75.00
pure, cyls, extra, zone 1 lb .17 - .17½
2 lb .19 - .19½
3 lb .21 - .21½
4 lb .16 - .19½
refrigeration tanks, works ton 76.50 - 77.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs 3.10 —
l.c.l., works 100 lbs 3.50 —
tanks, works, anhyd basis ton 80.00 - 81.00
Ammoniac gum (see Gum ammoniac)
Sal gray bgs. c.l. works, frt equald 100 lbs. 7.00 - —
l.c.l., same basis 100 lbs. 7.40 - —
white gran. bgs. c.l. works 100 lbs. 4.60 - —
l.c.l. works 100 lbs 6.25 - —

Ammoniacal liquor, tankcars, works, anhyd basis ton 75.00 - 80.00
Ammonium acetate, purified, dms lb .39 .40
reagent, jars lb. .61 .63
Benzoate USP dms. kgs., 4,000 lbs. frt alld lb .80 —
smaller lots, frt alld lb .81 1.09
Biborate, bbls., c.l. works ton 302.00 —
ton lots, works ton 355.50 —
less ton lots works ton 360.50 —
Bicarbonate, dms., c.l., works lb. .05½- —
l.c.l., works lb. .06 - —
Bichromate, bbls., works lb .31 .36
Bifluoride dms dlvd lb .18 18½
Bromide, gran., NF, bbls lb. .38 - .39
dms. lb. .39 - .42
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms lb. .20 .21
Chloride, tech (see Ammoniac sal)
USP, gran., bbls., dms lb .18 .19
Citrate, dibasic, bbls lb .75 —
dms. lb .80 .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua)
Hypophosphite, NF dms lb 2.40 —
Iodide, NF, jars lb. 3.81 3.91
Linoleate, plastic, 80% dms., works lb 40½ —
kgs., works lb 42½- —
25% dms. frt. alld lb 21¼- —
tech., bbls., works lb 37 —
dms., works lb 39 —
Molybdate, chemical grade, bbls., kgs lb .85 - —
metal grade, kgs lb .90 - —
tech. grade, bbls, kgs lb .80 - —

Ammonium nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point ton 57.50 - —
dom., bgs., western works ton 58.00 - —
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va ton 46.00 - —
Oleate, dms., precip lb .23¼- —
Oxalate, fine gran, dms lb. .25 - .31
Pentaborate, gran, bbls., c.l., works ton 212.00 - —
ton lots, works ton 265.50 - —
less ton lots, works ton 270.50 - —
Ammonium pentaborate powder, $10 per ton higher
Perchlorate, kgs, works lb .50 - .75
Persulphate, kgs lb. .25½- .28¼
Phosphate, com'l, bgs., c.l., works, lb. .08 - —
t.c.l., works lb .08½- —
dibasic, NF V bbls., dms lb .40 - —
tech., bgs., c.l., works lb .08 - —
l.c.l., works .08½ —
Salicylate, NF, dms., kgs 1.34 - 1.35
Silicofluoride, dms, works lb .12 .13
Sulphamate, bbls, dms, kgs lb. .18 .20
Sulphate, coke-oven, bulk, reducing ovens ton 32.00 - 37.00
converters' bulk, works ton 37.50 - 38.00
Sulphide, liquid, 40-45% basis, 100% dms, c.l. works. lb. .10½- —
l.c.l. works lb. .15½- —
tanks, dlvd or frt. alld lb. .09 - —
Sulphocyanide, tech (see Ammonium thiocyanate)
Thiocyanate, tech., bbls., c.l., works lb. .15 - .18
l.c.l., works lb. .16 - .20

Oxygen Absorption Test Proves:

AMAZING STABILITY OF EMERSOL STEARIC & PALMITIC ACIDS!



TRIPLE-PRESSED TYPE

Emersol 140 Palmitic Acid performance is comparable to that of Emersol 130.

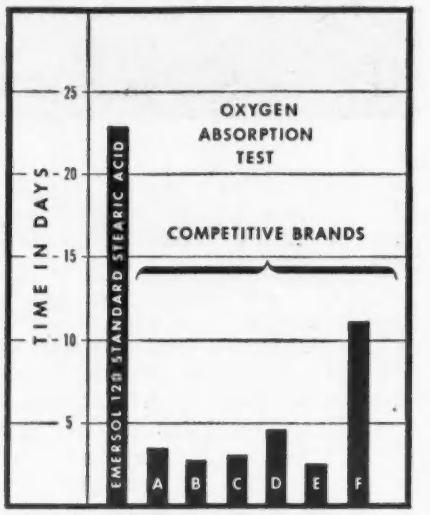
Almost Zero Peroxide Values Also Prove Extreme Resistance To Oxidation!

Your finished products are only as good as the STABILITY of the fatty acids you use. New processing techniques have enabled Emery to produce Stearic and Palmitic Acids exhibiting the highest color, odor, and oxidation stabilities available . . . all properties which reflect in and are important to finished products.

The oxygen absorption test, which measures the time required for the absorption of a standard quantity of oxygen in a closed system, illustrates the superior stability of the Emersol Stearic Acids.

As further proof of this outstanding stability, peroxide values, a convenient means of measuring the extent of oxidation, on both fresh and stored Emersol Stearic Acids are practically zero in all cases . . . again far superior to competitive grades.

Be assured of the highest grade products with maximum shelf life by specifying Emersol Stearic and Palmitic Acids. Send for free booklet and see how Emery Solid Fatty Acids will make your products better . . . stay better longer!



DOUBLE-PRESSED TYPE

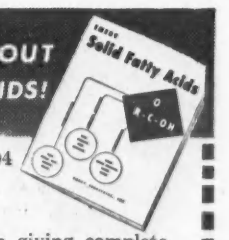
EMERY INDUSTRIES, INC.

CAREW TOWER, CINCINNATI 2, OHIO
EXPORT DEPT.: 5035 R.C.A. Bldg., New York 20, New York

BRANCH OFFICES
3002 Woolworth Bldg., New York 7, N. Y. • 187 Perry St., Lowell, Mass. • 401 N. Broad St., Philadelphia 8, Pa. Warehouse stocks also in St. Louis, Buffalo and Baltimore.

REPRESENTATIVES
Clarence Morgan, Inc., 919 N. Michigan Ave., Chicago 11, Illinois • Schibley & Ossmann, Inc., 33 Public Square, Cleveland 13, Ohio • Ecclestone Chemical Co., 2673 Guoin, Detroit 7, Michigan

GET ALL THE FACTS ABOUT EMERY'S SOLID FATTY ACIDS!



Emery Industries, Inc., Dept. O-94
Carew Tower, Cincinnati 2, Ohio

Gentlemen:

Please send me the new bulletin giving complete data and specifications for Emery Solid Fatty Acids.

Name ..... Title .....
Company .....
Address .....
City ..... State .....

Ammonium Thioglycollate—Bismuth Subsalicylate

Ammonium thioglycollate, commercial, 100% basis, cbys lb. 1.40 - 1.60
highly purified, same basis lb. 1.70 - 1.90
Thiosulphate, cryst., jars, works lb. .32 - —
Amphetamine citrate, dextro, bots. lb.36.00 - —
dextro-laevo, dms lb 6.50 - —
Hydrochloride, dextro, dibasic, bots lb.36.00 - —
monobasic, bots lb.34.00 - —
dextro-laevo, dms lb 6.50 - —
Phosphate, dextro, dibasic, bots. lb.36.00 - —
dextro-laevo, dibasic, dms lb 6.50 - —
monobasic, dms lb 6.00 - —
Sulphate, dextro, dms lb.36.00 - —
dextro-laevo, dms lb 6.50 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .19¾- —
t.c.l., dlvd lb. .20¾- —
tanks, dlvd lb. .18 - —
ex pentane dms. c.l., frt. and. E. of Miss. R lb. .16 - —
t.c.l. same basis lb. .17 - —
tanks, same basis lb. .15 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms lb .90 1.00
Cinnamic, aldehyde, dms lb. 1.60 - 2.05
Nitrite USP bots lb 1.75 1.83
Salicylate, cns. dms lb .76 .81
Anethol, NF, cns., dms lb. .95 1.25
Angelica root, dom. bls lb .65 .70
imported, bls lb. .45 - .50
Angostura bark, bls lb. .48 - .50
Aniline oil, dms., c.l., works, frt. alld lb. .17 - .17½
t.c.l., works, frt. alld lb. .18 - .18½
tanks, works, frt. alld lb. .16 - —
Salt, dms., frt. alld lb. .28 - —

Anise, Argentine, bgs lb. No stocks.
Chinese, star lb. .25 - .25½
Cyprus, bgs lb. .20 - .20½
Czech, bgs lb. .15 - .15¼
Mexican, bgs lb. .15½- .16
Syrian, bgs lb. .15 Nom
Turkish, bgs lb. .15 - .15¼
Anisic aldehyde, bots., dms lb. 2.00 - 2.45
Annatto powder, dms lb. .24 - .25
Seed, bgs lb. .16 - .19
Anthracene, 80-85%, bbls., works lb. 1.10 - —
90%, bbls., works lb. 1.25 - —
Anthraquinone, 99.5%, bbls., frt. alld lb. .80 - .83
Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines lb. .28½- —
cases, c.l., mines lb. .29 - —
Oxide, bgs., c.l., frt. alld lb. .21¾- —
t.c.l., frt. alld lb. .22¾- —
Trichloride, pails, works lb. .29 - .31
solution, cbys. lb .29 .30
Salt, 65%, bgs., c.l., dlvd E. of Miss lb. No stocks.
Sulphide, 62-64%, bgs., frt. alld., dlvd lb. .20 - .23
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms lb. 2.35 - 2.45
Apomorphine, USP, bots. oz.23.20 -23.70
Archil extract, bbls lb No stocks.
Areca nuts, powd., bbls lb .15 - .16
Arecoline hydrobromide, NF, bots. oz 5.00 - 5.75
Arginine hydrochloride, laevo. kilo.70.00 -80.00
Argols, min. 50%, bgs., shipment ports, per 100 kilos (100% purity) 15.00 -16.25
Arnica, flowers, bls lb. .45 - .50
root, bls. lb. 1.45 - —
Arrowroot, powd., bgs lb. .14 - .16

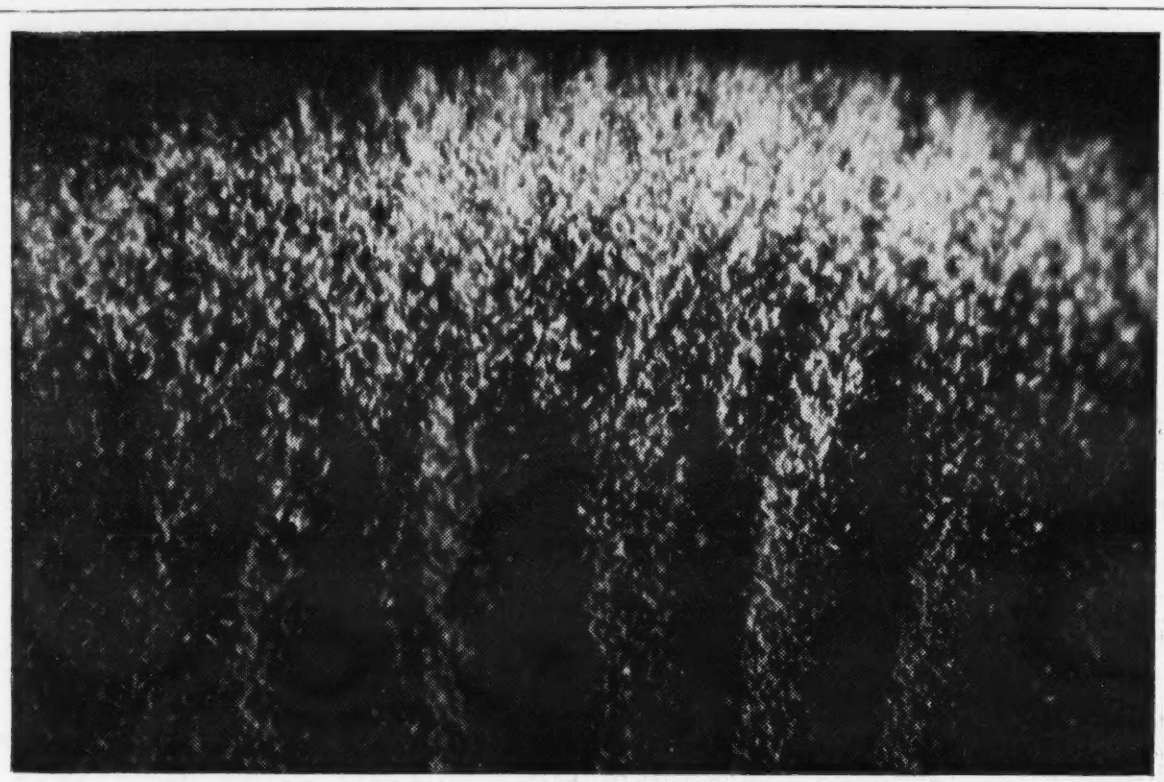
Arsenic, metal, lump, bbls., prompt shipt lb. .80 - .90
Sulphide, yellow, bbls lb. No stocks.
Trioxide, USP, dms lb. .40 - .42
White, powd., bbls., c.l., dlvd lb. .05½- —
t.c.l., dlvd lb. .06¼- .06¾
Asafetida, cs lb. .32 - .35
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton.940.00 -960.00
No. 2, c.l. (20 tons), mines ton.485.00 -492.00
Run-of-mine, c.l. (20 tons), mines ton.400.00 - —
fiber, 3K, c.l. (20 tons) mines ton.313.00 - —
3R, c.l. (20 tons), mines ton.267.00 - —
3T, c.l. (20 tons), mines ton.249.50 - —
3Z, c.l. (20 tons), mines ton.231.00 - —
4K, c.l. (20 tons), mines ton.124.50 - —
4M, c.l. (20 tons), mines ton.124.00 - —
4T, c.l. (20 tons), mines ton.111.50 -141.00
4Z, c.l. (20 tons), mines ton 111.50 - —
5D, c.l. (20 tons), mines ton.88.00 - —
5K, c.l. (20 tons), mines ton.88.00 - —
5M, c.l. (20 tons), mines ton.84.00 - —
5R, c.l. (20 tons), mines ton 78.50 -79.00
6D, c.l. (30 tons), mines ton.58.00 -59.00
7D, c.l. 30 tons), mines ton 52.00 -52.50
7F, c.l. (30 tons), mines ton 49.00 -49.50
7H, c.l. (30 tons), mines ton.41.50 -42.00
7K, c.l. (30 tons), mines ton.35.00 -35.50
7M, c.l. (30 tons), mines ton.30.50 -31.00
7R, c.l. (30 tons), mines ton.29.50 -30.00
7T, c.l. (30 tons), mines ton.28.00 -28.50
7RF, c.l. (30 tons), mines ton.30.50 -31.00
7TF, c.l (30 tons), mines ton.30.50 -31.00
8S, c.l. (30 tons), mines ton.19.00 -27.00
Prices quoted above are in U. S. funds. Add $4 per ton for t.c.l. lots.

Asphaltum, cut-back, tanks, tank wagon, refinery gal. .09 - —
Emulsion, tanks, tank wagon, refinery gal. .09½- .10

Asphaltum, gilsonite, brilliant black, selects, 270°-295° F, fusing point, bgs., f.o.b. Colo. mines ton.34.00 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines ton.31.00 - —
jet, bgs., ton lots, gross weight, Colo. mines ton.36.50 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
process form. bgs., works lb. .05¾- .13
Steam-rfd., less than 80 penetration, tanks, tankwagon, refinery ton.22.00 - —
80-300 penetration, tanks, tankwagon, refinery ton.21.00 - —
Atropine, USP, bots oz. 9.75 -10.00
Sulphate, USP, bots oz. 5.75 - 6.35

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.88 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barbasco root (see Cube root).
Barberry, root bark, bgs lb. .40 - .41
tree bark, bgs lb. .40 - .45
Barbital, USP, dms lb 4.50 - —
Sodium, USP, dms lb 4.77 - —
Barium carbonate precip., bgs., 10 tons and up, works ton.80.00 -85.00
smaller lots, works ton.90.00 -95.00
Chlorate, kgs., works lb. .25½- .31
Chloride, NF, cryst., dms lb. .17 - .18
tech., crystals bgs., c.l., works. ton.100.00 - —
t.c.l., works ton.110.00 - —
Chromate, bgs. frt equald lb. 31½- .32
Dioxide, dms., works lb. .12 - —
Hydrate, crystals, bgs. lb. .09 - .09¼
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots. lb 5.12 - —
Monoxide (see Oxide)
Nitrate, bbls., c.l., works lb. .11½- —
t.c.l. works lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
t.c.l., works lb. .11½- —
Peroxide (see Dioxide).
Stearate, ctns., c.l. lb. .36 - —
smaller lots lb. .37 - .38
Sulphate tech. (see Barytes and Blanc fixe)
X-ray, bbls. lb. 13 - .13½
Sulphide dms., c.l., works ton 55.00 - —
t.c.l., works ton 70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld lb 20 - —
t.c.l. works lb 21 - —
tech., bgs., c.l., works, frt. equald. ton.90 00 - —
t.c.l., works. ton.100 00 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton 9.40 -12.50
Barytes, water-grd., paper bgs., c.l. St. Louis ton.37.60 -37.85
t.c.l., same basis ton.38.60 - —
ex whse., N. Y. ton.53.45 -61.75
Southern off-color, bgs., mines ton 19.00 - —
95 75% bgs., mines ton.20.00 - —
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .50 - .55
Root, bls. lb. .40 - .41
Bauxite, bulk, mines ton 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton.12.00 - —
Benzaldehyde NF, dms lb. .68 - —
tech., cbys., dms lb. .45 - —
Benzal chloride, cbys., works lb .19 - .25
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit lb. .01¾ —
t.c.l., works, unit lb. .02 - .02½
gamma, 50% dust, dry, distributors, dms., c.l., dlvd., gamma unit lb. .02 - —
t.c.l., dlvd., gamma unit lb. .02½- —
wet, distributors, dms., c.l., dlvd., gamma unit lb. .02½- —
t.c.l., dlvd., gamma unit lb. .03 - —
Benzidine base, bbls lb 1.02 - —
Benzocaine, dms lb. 3.25 - 3.35
Benzol (benzene), pure, nitration, tanks, works, Lackawanna, N. Y., Sparrows Point, Md gal. .27 - —
Bethlehem, Pa gal. .26 - —
Birmingham, Ala.; Chicago Dist.; Cleveland Dist.; Geneva, Utah; Johnstown, Pa.; Lorain, Ohio; Minequa, Colo.; Philadelphia, Pa.; St. Louis, Mo.; Syracuse, N. Y.; Terre Haute, Ind.; Woodward, Ala.; Wyandotte, Mich.; Youngstown, Ohio gal. .25 - —
Lone Star, Texas gal. .29 - —
Pittsburgh district gal. .25 - .30
Benzophenone, dms lb. 1.30 - 1.60
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. eq lb. .20½- .21
t.c.l., same basis lb. .21½- .22
Peroxide, pure, fib. ctns., works. lb. .90 - 1.05
Benzyl acetate, f.f.c., cns., dms lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .19½
t.c.l., same basis lb. .20 - .20½
high grade, 2c. higher.
Cinnamate cns lb 3.00 - 4.00
Formate, cns lb. 1.60 - 2.10
Propionate, bots lb. 1.35 - 1.65
Salicylate, bots lb. 1.65 - 1.85
Benzylidinacetone, bots lb. 1.80 - 2.45
Benzylisoeugenol, bots lb 8.90 - 9.50
Berberine, bisulphate, cns lb.35.00 -36.25
Hydrochloride, bots lb.35.00 -36.25
Sulphate, cns lb.35.00 -36.25
Berberis root, bls lb. .35 - .40
Betagammapicoline dms., c.l. works. lb. .21 - .21½
t.c.l., works lb. .21½- .22
Betamethylnaphthalene, 32°C. m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .77 - —
tech., bbls., c.l., works lb. .30½- —
t.c.l., works lb. .32½- —
Benzoate fib dms., works lb. 1.70 - —
Salicylate dms lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .90 - —
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Betapicolin, 98%, dms., works lb. .95 - —
Beth root, bls lb 45 - .50
Biotin, cryst gram.10.00 - —
Bismuth chloride, jars lb. 3.97 - —
Citrate, USP VIII, jars lb. 3.29 - —
Hydroxide, dms lb. 4.20 - —
Metal, bxs., ton lots lb. 2.00 - —
Nitrate, cryst., dms lb. 1.87 - —
Oxychloride, dms. lb. 3.97 - —
Oxide, anhydrous, dms lb. 4.02 - —
Phenolsulphonate, fib, dms lb. 4.70 - —
Subcarbonate, USP, dms lb. 2.80 - —
Subgallate, NF fib, dms lb. 2.75 - —
Subiodide, fib, dms lb. 4.92 - —
Subnitrate, NF, dms lb. 2.30 - —
Subsalicylate, USP, dms lb. 3.29 - —



Aspergillus magnified 78X.

when mold presides, your profits SLIDE!

During any stage of your manufacturing processes unwanted mold is an expensive item, once it gets control. Lost production time, material wastes, and delayed orders may be the result. Together, these spell lower profits.

It is no longer necessary to run the costly risk of attacks by mold and bacteria. Dowicides, Dow's industrial germicides and fungicides, will bring you proper protection against these profit eaters. Dowicides are, at present, being used successfully to control mold and bacterial growth in the paint, paper, textile, leather and other industries.

They are available in both oil and water-soluble types.

Protect your profits by providing adequate protection against attacks by mold and bacteria. Investigate Dowicides today. Complete laboratory facilities are maintained by Dow to help you solve your problems. Contact your nearest sales office or write to Midland.

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Industrial Germicides and Fungicides

DOW CHEMICALS
INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Bismuth-ammonium citrate, USP, powd., dms. lb. 3.82 • —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., t.c.l. shipt. point lb. .17 • .19
Bone, bgs., bbls., t.c.l., dlvd. lb. .14¾- .22¾

Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.

Carbon, channel, beads, bulk, c.l., works lb. .0650- —
bgs., c.l., works lb. .0690- —
t.c.l., dlvd. or whse lb. .117 • .1175
uncompressed, regular, bgs., c.l., works lb. .0832- —
bgs., ctns., t.c.l. dlvd or whse lb. .13¾- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns., t.c.l., whse lb. .09½- —
high modulus, bgs. c.l., works. lb. .05 • —
ctns., t.c.l., whse lb. .09 • —
semi-reinforcing bgs., c.l., works lb. .03½- —
ctns., t.c.l., whse lb. .07½- —
very fine, bgs., c.l., works lb. .0740- —
t.c.l., dlvd., or whse. lb. .12 • —
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works lb. .11 • —
t.c.l., works lb. .11¼- —
Lamp, bgs., c.l., works lb. .07 .30
Mineral, bgs., works lb. .0160- .0675
Black ash (see Barium sulphide).
Blackberry bark of root, bls. lb. .30 • .32
root, bls. lb. .10 • .12
Black dyes (see Dyes).
Black haw, root bark, bls. lb. .65 • .75
Tree bark bls. lb. .28 • .30
Black Indian hemp root, bls. lb. .50 • .58
Blanc fixe, dry, by-product, bgs., c.l., works ton.85.00 • —
t.c.l., works ton.95.00 • —
direct process, bgs., c.l., works ton.85.00 • —
t.c.l., works ton.90.00 • —
N. Y. whse. ton.113.00 • —
bbls., c.l., works ton.90.00 • —
t.c.l., works ton.95.00 • —
N. Y. whse. ton. 118.00 • —
pulp, 66⅔% bbls., c.l., works. ton.69.00 • —
t.c.l., same basis ton.75.00 • —
Bleaching powder, dms., c.l., works, 100 lbs. 5.00 • —
t.c.l., works 100 lbs. 6.00 • —
Blood, dried, 16-16½% ammo., bgs. unit-ton. 8.00 • —
high-grade, unground, 16-17% ammon., bulk, Chicago unit-ton. 8.50 • —
soluble, bgs., cs. lb. .15 • .16
t.c.l. lb. .16 • .18
Bloodroot, bls. lb. .55 • .63
Blue, alkali, dry, bbls., dlvd. N. of Tenn and N.C., E of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 1.90 • —
Toner, bbls., litho flushed, same basis lb. 1.05 • —
Celestial, bbls., same basis lb. .15 • .16
Chinese, bbls., same basis lb. .37 • .42
Cobalt, genuine, bbls., same basis. lb. 4.90 • —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 • 3.85
80%, bbls., same basis lb. 3.00 • 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 • —
Milori, bbls., same basis lb. .37 • .42
Peacock, fugitive, 100% color strength, same basis lb. .60 • .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 • —
tungstic lb. 4.00 • —
Potash, C.P., bbls., same basis lb. .51 • —
Prussian, bbls., same basis lb. .37 • .42
soluble, bbls., same basis lb. .37 • .42
Soda, C.P., bronze, bbls., same basis lb. .39 • —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .25 • .26½
jobbing type, dry, bbls., same basis lb. .14 • —
regular types, dry or pulp, bbls., same basis lb. .19 • .39
Victoria toner, molybdic, bbls lb. 3.75 • —
Tungstic, bbls lb. 3.75 • —
Violet toner, molybdic, bbls, same basis lb. 1.24 • —
Tungstic, bgs., same basis lb. 2.60 • 2.70

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.

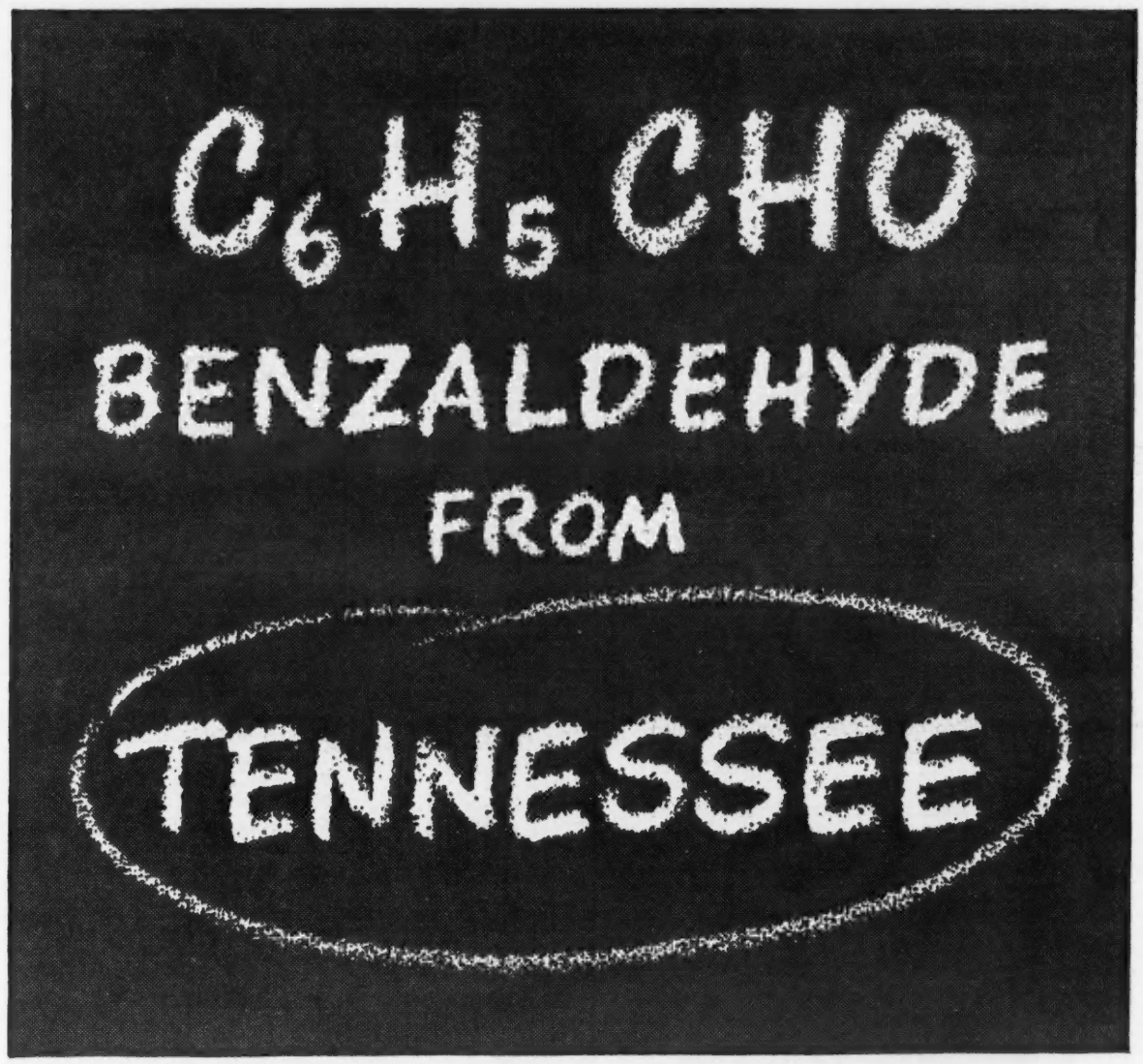
Blue dyes are listed under Dyes.
Blueflag, root, bls. lb. .50 • .55
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls. lb. .09 • .12
Bone, raw, bulk, Chicago ton.75.00 • —
junk, bulk, same basis ton.50.00 52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works ton.62.50 • —
Chicago, works ton.62.50 • —
steamed, feeding grade, 1% ammon., 60% phos., E. works ton.60.00 • —
Chicago, works ton.60.00 • —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.62.50 • —
Chicago, works ton.62.50 • —
Phosphate, defluorinated (see D), precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls. lb. .15 • .18
Borage flowers, bls. lb. .40 • .45
Borax, tech, anhydrous, bgs., c.l., works ton.70.50 • —
ton lots, ex whse. N. Y. or Chi. ton.115.25 • —
less ton lots, same basis, ton.120.25 • —
bbls., c.l., works ton.90.50 • —
ton lots, ex whse. N. Y. or Chi. ton.135.25 • —
less ton lots, same basis, ton.140.25 • —
bulk, c.l., works ton.64.00 • —
crystals, 99½%, bgs., c.l., works. ton.61.25 • —
ton lots, ex whse. N. Y. or Chi. ton.106.00 • —
less ton lots, same basis, ton.111.00 • —
bbls., c.l., works ton.81.25 • —
ton lots, ex whse. N. Y. or Chi. ton.126.00 • —
less ton lots, same basis, ton.131.00 • —
bulk, c.l., works ton.57.25 • —

Borax, tech., granular, 99½%, bgs., c.l., works ton.35.25 • —
ton lots, ex whse. N. Y. or Chi. ton.80.00 • —
less ton lots, same basis, ton.85.00 • —
bbls., c.l., works ton.55.25 • —
ton lots, ex whse. N. Y. or Chi. ton.100.00 • —
less ton lots, same basis, ton.105.00 • —
bulk, c.l. works ton.31.25 • —
powder, bgs., c.l., works ton.40.25 • —
ton lots, ex whse. N. Y. or Chi. ton.85.00 • —
less ton lots, same basis, ton.90.00 • —
bbls., c.l., works ton.60.25 • —
ton lots, ex whse. N. Y. or Chi. ton.105.00 • —
less ton lots, same basis, ton.110.00 • —
bulk, c.l. works ton.36.25 • —

Borax packed in kgs is $40 per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .15 • .21
t.c.l., same basis lb. .16 • .23
Borneol, cns. lb. 2.25 • 2.50
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate)
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur)
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .23 • —
1,000 lbs., same basis lb. .25 • —
single pkgs., same basis lb. .30 • —
dms., lead-lined, dlvd. lb. .23 • —
Bromoform, pharmaceutical grade, bots. lb. 1.62 • 2.60
cbys. lb. 1.52 • —
Bromstyrol, bots. lb. 5.35 • 5.75
Bronze powder, aluminum (see A), Gold, litho., cns., dms., works, lb. .50 • .60
moulding, cns., dms., works, lb. .80 • 1.00
printing ink, cns., dms., works lb. .95 • 1.10
radiator, cans, dms. works lb. .60 • .65
Broomtop, bls. lb. .30 • .35
Brown, iron oxide, synth., bgs., t.c.l., works lb. .12¼- —
Oxide, metallic, bgs., works lb. .3015- .3040
Sap, crystals, works lb. .12 • —
powdered lb. .13 • —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .15¼
t.c.l., works lb. .04½- .15½
raw, paper bgs., c.l., works lb. .04½- .13
t.c.l., works lb. .04¾- .13¼
Umber, burnt, American, c.l., bbls., works lb. .05¼- .06½
t.c.l., bgs., works lb. .05½- .07½
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y lb. .06¼- .08¼
t.c.l., works lb. .06½- .08½
raw, American bgs., same basis, lb. .04¼- .06½
Turkey type, bgs., same basis, lb. .06½- .06¾
Vandyke, bbls., works lb. .11 • —
Brucine, cns., 100 ozs oz. .35 • —
Sulphate, NF, cns., 100 ozs. oz. .30 • —
Bryonia root, bls lb. .29 • .35
Buchu leaves, bls lb. .45 • .50
Buckthorn bark, bls. lb. .12 • .14
cut and sifted, bls. lb. .18 • .20
Berries, bgs lb. .80 .90
Burdock, root, bls. lb. .22 • .26

Butadiene, cyls. refinery lb. .19 • —
tanks, same basis lb. .10½- —
Butane, indust., tanks, group 3 gal. .03½- —
Butternut bark, bls. lb. .25 • .30
Butyl acetate, fermentation, normal, dms., c.l., same basis lb. .14¾- .29¾
t.c.l., same basis lb. .15¾- .30¾
tanks, same basis lb. .13 • .28
synthetic, normal, dms., c.l., same basis lb. .14¾- —
t.c.l., same basis lb. .15¾- —
tanks, same basis lb. .13 • —
secondary, dms., c.l., same basis lb. .11¼- —
t.c.l., same basis lb. .12 • —
tanks, same basis lb. .09½- —
Alcohol (see Alcohol butyl)
Aldehyde, dms., c.l., works lb. .17½- —
t.c.l., works lb. .18 • —
tanks, works lb .16 • —
Chloride, dms., c.l., works lb. .41½ —
t.c.l., works lb. .42 • —
Ether (see Ether, butyl).
Lactate, dms., c.l. frt. alld. E. of Rockies lb. .42½- —
t.c.l., same basis lb. .43½- —
tanks, same basis lb. .41 • —
Laurate, dms., works lb. 42 • —
Methacrylate, normal, dms., less than truckload, works lb. .60 • —
Oleate, refd. dms. t.c.l. works lb. .52 • —
Phenylacetate, dms lb. 2.00 • 2.25
Phthalate (see Dibutyl phthalate).
Stearate, dms., c.l. frt. alld. E. of Rockies lb. .32 • —
t.c.l., same basis lb. .33½- —
Butylamine, dms., c.l., frt. alld. lb. .51½- —
t.c.l., same basis lb. .52½- —
tanks, same basis lb. .49¾- —
Butyric ether (see Ethyl butyrate).



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NASHVILLE, TENNESSEE

Cacao Butter—Cellulose Acetate

C

Cacao butter (see Cocoa butter).
Cadmium Iodide, jars ..... lb. 5.00 - 5.22
Metal, ingots or sticks, cs., dlvd lb. 2.15 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N.Y., frt. equald lb. 1.25 - —
Caffeine, natural, USP cryst. cms., 100 lbs. or more lb. 4.75 - —
anhydrous, dms. 100 lbs. or more lb. 5.00 - —
Synthetic, USP, cryst., dms., 100 lbs. or more lb. 3.80 - —
anhydrous, dms. 100 lbs. or more lb. 4.00 - —
Citrated, USP, dms. 100 lbs. or more lb. 2.60 - —
Hydrobromide, bots. ..... lb. 6.70 Nom.
Calabar beans, ngs. futures.. lb 65 66
Calamine, USP, dms. ..... lb. .27 - .29
Calamus root, dom., bgs. ..... lb. .28 - .30
imported, bleached, bls. ..... lb. .70 Nom.
peeled, bls ..... lb. .30 - .31
Calciferol, cryst., vials, 250 grams or more, works gram. 1.90 - —
25 to 249 grams, works gram. 2.10 - —
1 to 24 grams, works gram. 2.30 - —
in edible oil, dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¼- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit. .05¾- —
Calcium acetate, bgs., dlvd..100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld. on 90 lbs. or over. lb. .11 - —
l.c.l., same basis ..... lb. .12 - .13
Bromide, NF, jars ..... lb. .80 - 1.00
Carbide, standard generator size, dms., c.l., dlvd ton.121.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.23.50 - —
l.c.l., same basis ton.52.00 -62.00
liquor, works, basis 40%, tank-cars ton. 9.75 - —
pellets, bgs., c.l., works ton.31.00 - —
solid, 73-75% dms., c.l., works, same basis ton.22.00 - —
l.c.l., works, same basis ton.32.00 -69.00
USP, gran., bbls ..... lb. .30 - —
Chromate, bgs., frt. equald lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies. lb. .30 - .50
Gluconate, AA, bbls., dms.... lb. .65 - .72
USP, bbls., dms ..... lb. .59 - .65
Glycerophosphate, NF, fib., dms. lb. 1.80 - 1.95
Hydride, dms., works lb. .90 - —
Hypochlorite, 100-lb. dms., dlvd.E. of Rockies dm.24.00 -28.50
cms., cased (45 lbs.) same basis. cs.19.75 -21.50
Hypophosphite, ton lots and less, dms lb. .80 - .83
Iodide, jars lb. 4.10 - 4.12
Lactate, USP, dms., 10,000 lbs. or more, works..lb. .37 - —
smaller quantities, works lb. .39 - .44
Mandelate, USP, dms., works...lb. 2.10 - 2.25
Calcium naphthenate, liq., 4% Ca, dms., frt. equald..lb. .23¾- —
Nitrate, tech., bbls., works.....lb. .10 - .12
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted..gram. .07½- —
Phenolsulphonate, dms.....lb. .64 - .65
Phosphate, dibasic, USP, bgs., c.l. 100 lbs. 6.75 - —
l.c.l. 100 lbs. 7.10 - 7.45
feed grade, bgs., 15 tons, wks. ton.105.00 - —
one ton or over, works ton.115.00 - —
less than one ton, works ton.125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05¾- —
smaller lots, same basis lb. .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 6.95 - 7.30
Phytate, bgs., works ... lb. .28 - —
Resinate, precip. dms. frt. alld., works lb. .24 - —
Silicate, hydrated, bgs., c.l., works lb. .05½- —
l.c.l., works ..... lb. .06 - —
Stearate, precip. ctns., c.l., works. lb. .34 - —
l.c.l., works..... lb. .35 - .36
Sulphate (see Gypsum).
Sulphide luminous, tins, works lb. 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works. lb. 1.06 - 1.50
fine particle size, dms., works lb. 1.50 - 1.75
Calendula flowers, bls.....lb. .55 - .80
Calomel, USP, fine powd., dms. lb. 1.97 - 1.98
reg. powd., dms ..... lb. 1.82 - —
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 2.73 - 2.85
natural, powd., 100-lb. lots .... lb. .45 - .55
tablets, 1-oz., ½-oz., cs.....lb. .89 - .93
Camphor, synthetic, tech., bbls., 2,000 lbs. or more, whse. lb. .38 - —
10 bbls. (1,500 lbs.)..... lb. .40 - —
smaller lots ..... lb. .41 - .51
USP, gran., powd., bbls., 2,000-lb. lots lb. .45 - —
1,000-lb. lots lb. .46 - —
smaller lots ..... lb. .47 - —
tablets, tins, 2,000-lb. lots. lb. .73 - —
1,000-lb. lots. lb. .74 - —
smaller lots..... lb. .75 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls .....lb. .25 - .30
Cantharides, Chinese, cs.....lb. .75 - .85
powd., bxs. .....lb. .90 - 1.05
Russian, bgs. .....lb. 3.85 - 3.90
powd., bxs. .....lb. 4.00 - 4.10
Capsicum (see Pepper, red).
Oleoresin, NF, from domestic pepper..lb. 4.00 - 6.50
from African pepper.....lb. 5.75 - 6.75
Caramel coloring, NF, bbls ...gal. 1.05 - 1.20
Caraway, Dutch ..... lb. .16½- .17
Carbazole, 97% steel dms., ton lots, works lb. 1.53 - —
bbls., same basis lb. 1.65 - 1.85
Carbinol, butyl, secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld., E. ..lb. .14¼- —
l.c.l., same basis..... lb. .15 - —
tanks, same basis..... lb. .12½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼- —
l.c.l., same basis lb. .07¼- —
5-gal. dms., c.l. same basis lb. .08½- .08¾
l.c.l., same basis..... lb. .09½- —
tankcars, same basis..... lb. .0440- —
Dioxide, cyls ..... lb. .06 - .08
Tetrachloride, c.p., dms., works. lb. .10¾- —
NF, cbys ..... lb. .17 - .19
tech., dms., c.l., E. of Rockies, frt. alld lb. .08 - —
W. of Rockies, f.o.b. stock points lb. .09 - —
l.c.l., E. of Rockies, frt. alld. lb. .091 - —
W. of Rockies, frt. alld. lb. .09¾- —
tanks, E. of Rockies, frt. alld. lb. .07¼- —
W. of Rockies, frt. alld lb. .08¼- —
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF, dms. 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb. 4.19 - 4.75
Cardamom fruit, bleached, bold, fancy, cs..lb. 3.80 - 3.85
bold, cs.....lb. 3.65 - 3.70
medium, cs.....lb. 3.30 - 3.35
decorticated, Alleppey, cs...lb. 4.00 - 4.05
Ceylon, cs.....lb. 3.40 Nom.
Guatemala, cs.....lb. 3.45 Nom.
Indian, cs.....lb. 3.65 - 3.70
Mangalore, cs.....lb. 3.65 - 3.70
green, Alleppey, bgs.....lb. 2.75 - 2.80
Ceylon, bgs.....lb. 2.75 - 2.80
seed (See Cardamom fruit, decorticated)
Carmine, No. 40, NF bulk, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67½- —
tins, works..... gm. .40 - —
dry powder, 3,330 A units per gram lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. cn..cn. 1.00 - —
in vegetable oil, 166,666 A units, per gram lb.25.24 - —
50,000 A units per gram lb. 7.86 - —
8,800 A units, per gram, tins, works milli. units. .18 - —
dms., works milli. units. .16 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .24 - —
Carvol, bots. lb. 8.75 - 9.00
Cascara sagrada bark, bulk.....lb. .30 - .33
Case-hardening mixture, 30% gran. dms., l.c.l., works..lb. .10½- —
Casein dom., acid-precip. standard, bgs., 10,000 lbs. or more, ship't point..lb. .38 - .39¼
premium, bgs., 10,000 lbs. or more, ship't point..lb. .39½- .41¼
imp. acid-precip., ground 100 bgs or more, ex-dock..lb. .33 Nom.
rennet-precip., bgs., 10,000 lbs. or more, ex-dock..lb. .36 - .37
Cashew nut, liq., treated, dms., c.l., f.o.b Newark, N. J.. lb. .21 - —
ton lots, same basis....lb. .22¼- —
dm. lots, same basis....lb. .24¼- —
Cassia, Batavia, longstick, bls...lb. .29 - .30
broken .....lb. .20½- .21
shortstick, bls. .....lb. .20 - .20½
China, Canton, Kwangsi, rolls, select, cs..lb. .16 - .16½
broken, bls.....lb. .15½- .16
Honan, Yunnan rolls, scraped, bls..lb. .18 - .18½
broken, bls.....lb. .17 - .17½
unscraped, bls.....lb. .17 - .17½
broken, bls.....lb. .16 - .16½
Saigon, broken, bls.....lb. .38 - .39
medium, bls. .....lb. .47 - .48
thin, bls. .....lb. .50 Nom.
Cassia fistula, bskts..... lb. .30 - .35
Castor beans, bgs., f.o.b. Brazilian ports..long ton.180.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works....ton.30.50 - —
Castoreum, natural, cns.....lb. 7.00 -30.00
artificial, cns. .....lb. 9.00 - 9.25
Catechol, CP, cryst. fib. dms., works lb. 2.00 - —
resublimed, dms., works.... lb. 4.00 - —
Catnip leaves, bls.....lb. .70 - .75
Celery seed, French, bgs, afloat..lb. .38 - .38¼
Indian, bgs. .....lb. .28½- .29
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .36 - .38
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .40 - —
l.c.l., same basis lb. .45 - .51
regular, black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l., same basis.....lb. .44 - .49

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- Rust Preventives
- Sound Deadeners
- Vibration Dampeners

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Copper Oleate
Copper Naphthenate
Driers
- Lead Naphthenate
- Cobalt Naphthenate
- Calcium Naphthenate
- Manganese Naphthenate
- Zinc Naphthenate
- Iron Naphthenate
- Lead Octoate
- Cobalt Octoate
- Calcium Octoate
- Manganese Octoate
- Zinc Octoate

Lead Resinate
Lead Oleate
Manganese Oleate
Metallic Stearates
- Aluminum
- Barium
- Cadmium
- Calcium
- Lead
- Lithium
- Magnesium
- Strontium
- Zinc

M. R. (Hard Hydrocarbon)
Monty Wax
Rubber Compounding Ingredients
Sunolite
Witcarbs
Witcotes

WITCO quality
has
seven homes

Seven modern, well-equipped plants are the "homes" of Witco quality. At each plant, skilled technologists guide every step of production, while strict quality control maintains product purity and uniformity. In addition, to insure the most effective use of these products, a large technical service staff is maintained to help solve various customer problems.

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YOU KNOW THAT WITCO MAKES HIGHEST QUALITY PRODUCTS

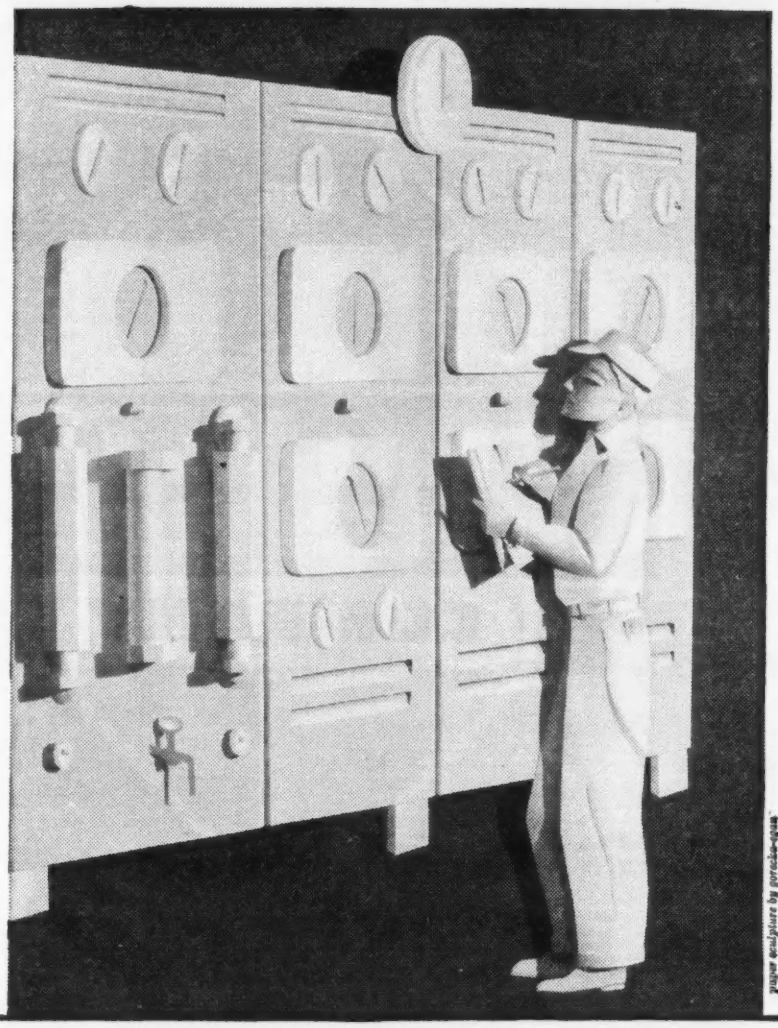
WITCO CHEMICAL COMPANY
295 MADISON AVENUE, NEW YORK 17, N. Y.
LOS ANGELES • BOSTON • CHICAGO • HOUSTON • CLEVELAND
SAN FRANCISCO • AKRON • LONDON AND MANCHESTER, ENGLAND

Cellulose acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .54 - —
less than 500 lbs., works lb. .55 - —
17.5% butyryl content, ctns., 500 lbs. or over, works lb. .50 - —
less than 500 lbs., works lb. .51 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .52 - —
less than 500 lbs., works lb. .53 - —
37% butyryl content, ctns., 500 lbs and over, works lb. .52 - .55
less than 500 lbs., works lb. .53 - .56
43% butyryl content, ctns., 500 lbs. and over, works lb. .57 - —
less than 500 lbs., works lb. .58 - —
molding composition plain colors, pearls, transparents, special black dms. l.c.l. frt alld. lb. .56 - .61
regular black dms. l.c.l. same basis lb. .44 - .48
variegations dms., c.l., same basis lb. .61 - .66
Triacetate flake ctns. works, frt allwd on 100 lbs or more lb. .60 - —
Cerium nydrate dms. works lb 1.25 - —
Oxalate, NF bbls., bgs. works lb .70 - .72
Oxide optical grade bgs. under 100 lbs. works lb 2.25 - —
kgs. 100-lb lots works lb 1.85 - —
Chalk, precip. cosmetic dentifrice, drugs bgs., c.l. works lb 02⅞ - .05⅛
l.c.l. ex whse lb 04 - —
paint bgs. c.l. works ton 40.00 - —
papermakers bgs. c.l. works ton 32.50 - 40.00
rubber makers bgs. c.l. works ton 30.00 - —
Chamomile flowers, Hungarian, cs lb. .80 - .85
Roman, bls. lb. .80 - .85
Charcoal activated USP fib dms. c.l., works lb .25 - .32
5-ton lots, works lb .26½ - .32½
smaller lots, works lb .27 - .50
Bone NF bbls lb. .23 - —
Hardwood, briquets, bgs., c.l., works ton 51.80 - —
bulk, c.l., works ton 49.80 - —
granular bgs. incl. c.l. works ton 46.80 -59.00
lump, bgs., extra, returnable c.l., works ton 41.80 -45.50
bulk, c.l., works ton 38.80 -43.50
Pinewood gran. powd., ogs. c.l works, South ton 40.00 - —
l.c.l. works ton 40.00 -50.00
lump bgs. c.l. works, South ton 40.00 —
l.c.l., works, South ton 40.00 -50.00
bulk, c.l., works, South ton 30.00 —
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0415 - —
l.c.l., works lb. .0440 - .0450
tanks, works lb. .0345 - —
powd., 60% tannin, bgs., extra, c.l., works lb. .09 - —
l.c.l., works lb. .0970 - .1055
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l. works ton 12.50 -13.00
l.c.l., works ton 13.50 14.00
bulk, c.l., works ton 9.50 -10.00
200 mesh, bgs., c.l., works ton 10.00 -12.00
l.c.l. works ton 11.00 -16.00
wet-grd., stik-bolt, 99½%, 325 mesh bulk, c.l., works ton 13.00 - —
paper bgs. c.l. works ton 16.00 - —
imported, white, lump, bulk, c.l., ex dock Phila., Portland, Me. gross ton 19.00 -40.00
powd., ogs. c.l., ex dock net ton 35.00 -45.00
l.c.l. ex whse net ton 45.00 -60.00
Chloral, tech., 94% min. dms., c.l., works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb .21 - —
Hydrate, USP, jars lb 1.05 - 1.10
Chloramine T NF bbls. works lb .75 - 1.00
Chloroanisidin, dms., frt. equald lb. 1.25 - —
Chlordane, agricultural, dms., pails, c.l., works lb. .65 - —
l.c.l., works lb. .70 - .75
refined, dms., c.l., works lb. .75 - —
l.c.l., works lb. .80 - .85
Chlorinated paraffin, dms. frt. alld. lb. .12½ - .13¼
Rubber, standard, ctns., c.l. works lb. .42 - —
l.c.l., works lb .43 - —
Chlorine, liquid, cyls., c.l., NY lb. .08¾ - —
l.c.l., NY, stock points lb. .10¼ - —
tanks, single units works, frt. equald 100 lbs. 2.55 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 3.05 - —
2 cars, same basis 100 lbs. 3.65 - —
1 car, same basis 100 lbs. 4.25 - —
Chloroform tech. dms. c.l. dlvd. E lb. .18 - .20
l.c.l., same basis lb. .20 - .22
tanks, same basis lb 16 —
USP, dms. lb. .30 - .35
Chloro(4)-2-Toluidine bbls lb 1.38 - —
Chlorophyll, 4% oil soluble, water soluble, cosmetic and pharmaceutical, pails, tins lb. 3.75 - 4.25
Chloropicrin, com'l, bots lb 1.40 - —
cyls., 180-lbs., frt. alld lb .91 - —
100-lbs. same basis lb .93 - —
25-lbs. same basis lb 1.18 - —
Cholesterol USP fib dms., 100-lb lots lb 8.50 - —
5-lb pkg. lb 9.00 - —
1-lb pkg. lb 9.50 - —
Choline bitartrate fib dms., frt. adjusted lb 2.30 - 2.55
Chloride fib dms., same basis lb 2.30 - 2.55
Dihydrogen citrate fib dms. same basis lb 2.30 - 2.55
Chromium acetate powd. 72% Cr. bbls. works lb No stocks
solut., 7½% bbls. works lb. .06 - —
cbys lb. .09¾ - —
8½% bbls., works lb. .08½ - —
cbys lb .10¼ - —
Fluoride bbls., works lb. .44½ - —
Green (see Green chrome)
Oxide (see Green chromium oxide)
Oleate solid, bbls lb .45 - —
Trioxide, USP, bots lb .82 - —
Yellow (see Yellow chrome)
Chrysarobin, USP, bots lb 7.65 - 9.29
Cinchona bark NF, red, quill, 20-inch, cs lb 1.26 Nom.
broken bgs lb .40 - .45
yellow broken, bgs lb. .32 - .35
Cinchonidine, cryst., cns., 100 ozs. oz. .71 - .72
Sulphate, cns., 100 ozs oz. .37 - .40½
Cinchonine, cryst., cns., 100 ozs. oz. .57 - .65
Sulphate, NF, cns., 100 ozs oz .30½ - .42
Cinchophen NF heavy density, dms., frt. adjusted lb. 3.70 4.05
Standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic)
Aldehyde, cbys, cns. dms lb .90 1.20
Cinnamon, Ceylon, No. 2, bls. lb. .35 - .36

Citral, bots., cns. lb. 5.35 - 5.75
Citronellal, bots. dms. lb 2.50 - 2.75
Citronellol, bots., dms lb 2.85 - 3.15
Civet, bots. oz. 4.00 -13.00
artificial, bots lb 13.75 -15.00
Clove, Madagascar, bls. lb. .26 - .27
futures bls lb. No offers
Zanzibar, bls. lb. .26 - .27
afloat lb. .26 - .27
Clover tops, red, dom., bgs. lb. .80 - .90
imported bgs lb No stocks
CMC, purified, high vis., ctns., 20,000 lbs or over works, frt alld lb. .57 - —
smaller lots same basis lb. .59 - .69
low and medium vis., ctns., 20,000 lbs or over works, frt alld lb. .54 - —
smaller lots same basis lb. .56 - .66
tech. low and medium vis. dms., c.l., works, frt alld lb. .41 - —
l.c.l. works lb. .43 - —
Coaltar, coal gas water-gas, crude, resale dms. c.l. ex-whse, gal. 23½ - —
t.c.l. ex-whse gal. 25 - —
tanks, ex-whse gal. 13½ - —
refd. resale bbls. c.l. ex whse. gal. 24½ - —
t.c.l. ex-whse gal. 26 - —
tanks ex-whse gal. 14½ - —
Cobalt acetate bbls. dlvd lb .93½ - —
Carbonate, 46% powd., bgs., works lb. 1.65 - —
Chloride, 24.5% Co, kgs., works lb. .91¼ - —
Hydrate, 60.3% Co bbls lb. 2.13 - —
Linoleate paste 6% Co, dms. lb 57 - —
solid 8½% Co dms lb 66½ - —
8% Co, dms lb 62½ - —
Metal, 97.99% kgs. ex whse lb 1.80 —
under 100 lbs. ex whse lb 1.82 1.87

Cellulose-Butyrate, Flake—Coriander Seed

Cobalt naphthenate, liq., 6% Co, dms. lb. .37¼ - —
Nitrate, 20.4% Co, bbls lb. .78¾ - —
Oxide black, kgs lb 1.38 - —
Phosphate, feed grade, 34% Co, kgs lb. 1.31¼ - —
Resinate, fused, 8% Co dms lb 22¾ - —
Sulphate, bgs, 21% Co, kgs lb 1.05 - —
Cocaine USP, cns. 100-oz oz. 15.00 - —
Hydrochloride cns. 100-oz lots oz. 11.75 - —
Cochineal, gray, bgs lb 67 - .68
silver, Teneriffe bgs lb. .69 - .70
Cocillana bark, bgs lb 16 17
Cocoa butter, bgs lb. .82 - .87
Codeine, NF cns. 100 ozs oz 13.25 - —
Hydrochloride, cns. 100 ozs oz. 11.85 - —
Phosphate, USP cns. 100 ozs oz 10.25 - —
Sulphate USP cns 100 ozs oz. 10.75 - —
Codliver oil (see Oil codliver)
Cohosh, black root, bls lb .20 - .25
Blue, root, bls lb. .17 - .18
Colchicine USP bots. cns oz 79.00 -85.00
Colchicum root, bls lb .60 70
Seed, bgs. lb. 1.10 - 1.20
Collodion USP dms lb. .21 —
Flexible USP dms lb. .22½ —
Colocynth, pulp, bls lb. .25 - .27
Colombo root, bls. lb. .13 - .15
Coltsfoot leaves bgs lb 30 .35
Condurango bark, bgs lb. .18 - .28
Copaiba balsam, cns., dms lb. .75 - .85
Copper acetate cupric bbls. works lb .28 —
smaller containers, works lb 29 30
Carbonate, 55%, bgs., works lb. 20.90 -21.90
Chloride, anhyd. bbls., works lb. .30½ —
crystals, bbls., works lb. .20¼ —
Citrate USP 5-lb bots lb 2.40 - —
Cyanide, tech., bbls lb. .494 - .514
Copper gluconate, cns., dms. lb. 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss. lb. .27½ - .28
Metal, electrolytic, dlvd lb. .22½ - .24¼
Naphthenate liquid 8% Cu, dms., frt. alld lb. .22¾ - —
Nitrate tech. cryst. bbls. works. lb. .25¼ - —
Oleate, liquid, 8.5% Cu bbls lb .27 - —
solid 10% Cu, bbls lb .39 - —
Oxide, black, bbls., works lb. .29 - .33
red, com'l, bbls., works lb. .30 - .35
Oxychloride-sulphate bgs., frt. alld lb. .24¼ Nom.
Quinolate, fib dms lb 3.50 - —
Resinate, precip. dms., frt. alld. lb .24 - —
Stearate, bgs., works lb. .41½ - —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.10 - 8.65
l.c.l. 100 lbs. 8.35 - 9.65
CP, cryst, gran., dms., works. lb. .1385 - —
monohydrated, 35%, dms., c.l., works 100 lbs. 13.30 -14.00
tribasic, dealers, bgs., c.l., works, frt. alld lb. .226 - .236
l.c.l., works lb. .236 - .246
USP, gran., cryst., dms lb. .1385 - .26
Undecylenate, dms lb. 2.50 2.75
Copperas, cryst., gran. bgs., c.s. works ton 17.00 —
t.c.l., works 100 lbs 1.55 2.00
bbls., c.l. works ton 20.00 - —
bulk, c.l., works ton 14.00 - —
Copra c.i.f. Atlantic, Gulf ports ton 230.00 - —
Pacific ports ton 225.00 - —
Coriander seed, Argentine, bgs lb. .20 - .21
Italian, bgs No stocks
Moroccan, bgs. lb. .28 - .30



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- EBG* Liquid Chlorine
- NIALK* Caustic Potash
- NIALK Carbonate of Potash
- NIALK Paradichlorobenzene
- NIALK Caustic Soda
- NIALK TRICHLORethylene
- NIAGATHAL* (Tetrachloro Phthalic Anhydride)

*Trade-mark

NIAGARA ALKALI COMPANY

60 East 42nd Street, New York 17, New York

Corn Sugar—Dihydrostreptomycin Hydrochloride

Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 6.24 - —
bbls., c.l., same basis 100 lbs. 6.30 - —
Syrup, 42°, bbls., c.l. 100 lbs. 6.52 - —
l.c.l. 100 lbs. 6.67 - —
Cornsilk, bls lb. .15 - .19
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls lb. .26 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, bulk, Memphis ton.68.00 - —
Coumarin, NF, cns lb. 3.00 - 3.25
powd., cans lb. 3.25 - 3.50
Cramp bark, NF, bls lb. 1.05 - 1.10
Cranesbill root, bls lb. .55 - .60
Cream of tartar, dom., NF, gran. or powd., bbls., 5,000 lbs. one ship lb. .27½ - —
smaller lots, bbls., kgs lb. .28 - .29
Creosote, coaltar, crude, tanks, works, frt adjusted gal. .18 - —
refined, dms., c.l., works gal. .36½ - .40
l.c.l., same basis gal. .37½ - .47
tanks, same basis gal. .23½ - —
solution, 80%, tanks, works gal. .168 - —
NF, beechwood, bots., cbys lb. 1.15 - 1.20
hardwood, bots, cbys lb. .85 - —
Pinewood, dms gal. .31 - .35
Carbonate, NF, bots., cbys lb. 2.25 - 2.40

Cresols, tech., dry, above 207°C, non-ret. dms., c.l. frt. equald, lb. .138 - —
l.c.l., same basis lb. .141 - —
207°C, ret. dms., c.l., same basis lb. .1375 - —
l.c.l., same basis lb. .1410 - —
tanks, same basis lb. .125 - —
USP, non-ret. dms., c.l., same basis lb. .148 - —
l.c.l., same basis lb. .151 - —
ret. dms., c.l., same basis lb. .145 - —
l.c.l., same basis lb. .148 - —
tanks, same basis lb. .135 - —
Crotonaldehyde, 91-93%, dms., c.l works lb. .16½ - —
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs.13.75 - —
bbls., l.c.l., works 100 lbs.14.00 - —
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .26 - .30
Cubeb berries, XX NF bgs lb. .35 - .45
powd., cs. lb. .44 - .54
Culvers root, bbls lb. .50 - .60
Cumene, dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 - .56
Cumin seed, Iranian, bgs lb. .18½ - .19
Morocco, bgs lb. .18½ - .19
Syrian, bgs lb. .18½ - .19
Cutch, extract, 55% tannin, bgs., ex dock lb. .06¾ - —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, ton 46.50 - —
ton.46.50 - —
pulv., 21% N., bgs., same basis unit-ton. 2.25 - —

Cyclohexane, tech., dms., c.l., works, lb. .11 - —
l.c.l., works lb. .11¾ - —
tanks, works lb. .09¼ - —
Cyclohexanol, tech., dms., c.l., works, lb. .31½ - —
l.c.l., works lb. .33 - —
tanks, works lb. .30 - —
Cyclohexanone, tech., dms., c.l. lb. .26½ - .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., c.l., works, lb. .36½ - —
l.c.l., works lb. .37½ - —
tanks, works lb. .35½ - —
Cyclopropane, USP 2 lb. cyls, works, cyl.40.00 - —
6 oz. cyls., works cyl.10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

D

2, 4-D, bbls., c.l., works, frt. equald, lb. .43 - .48
l.c.l., same basis lb. .48 - .60
Isopropyl ester, dms., c.l., works lb. .54 - —
l.c.l., works lb. .59 - .66
Damiana leaves, bls lb. 40 - .45
Dandelion root, bls lb. .50 - .55
DDD, tech., fine grd. fib. dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½ - —
lump, fib. dms., c.l., works lb. .49 - —
l.c.l., works lb. 49½ - —
DDT, fiber dms., c.l., works, frt. equald lb. .34 - .36
smaller lots, same basis lb. .35 - .38

Decanol, normal, tech., dms., c.l., dlvd. lb. .34½ - —
l.c.l., dlvd. lb. .36½ - —
tanks, dlvd. lb. .32 - —
Deertongue leaves, bls lb. .35 - .40
Defluorinated phosphate, 65% b.p.l., paper bgs., works ton 44.15 - 55.75
Rock, 14½%P, paper bgs., works ton.45.00 - —
Degras, common, bbls lb. .11 - .12
Neutral, less 2% ffa, bbls lb. .21 - .22
over 2% ffa., bbls lb. .20 - .21
Derris root, 5% rotenone powd lb. .42 - —
Desoxyephedrine hydrochloride, dextro, dms lb.30.00 - —
dextro-laevo, dms lb. 7.50 - —
Dextrin, corn, gum, paper bgs., c.l. 100 lbs. 7.65 - —
l.c.l. 100 lbs. 7.80 - —
Chicago, c.l. 100 lbs. 7.00 - —
canary, paper bgs., c.l. 100 lbs. 7.49 - —
l.c.l. 100 lbs. 7.64 - —
Chicago, c.l. 100 lbs. 6.84 - —
dark, paper bgs., c.l. 100 lbs. 7.59 - —
l.c.l. 100 lbs. 7.74 - —
Chicago, c.l. 100 lbs. 6.94 - —
white, paper bgs., c.l. 100 lbs. 7.34 - —
l.c.l. 100 lbs. 7.49 - —
Chicago, c.l. 100 lbs. 6.69 - —
Corn dextrin in cotton bgs. 12c. to 15c. per 100 lbs. higher.
Potato, domestic bgs lb. .09½ - .10
imported, bgs lb. .08½ - .09
Dextrose, USP dms lb. .17¾ - —
Diacetone (see Alcohol, diacetone)
Diacetyl, flavor grade, bots lb. 5.00 - 5.55
laboratory grade, bots 100 grams 4.50 - —
tech., bots., works lb 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E lb. .34¼ - —
l.c.l., dlvd. E lb. .35¼ - —
tanks, dlvd. E lb. .32½ - —
Dianisidin, dms ton 1.75 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton.50.00 - 52.00
California ton.38.00 - 40.00
l.c.l., ex whse ton 80.00 - —
purified, bgs., c.l., Atl. coast ton.62.00 - —
California ton.50.00 - —
l.c.l., ex whse ton.90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works, lb. .66½ - —
l.c.l., works lb. .67 - —
tanks, works lb. 65 - —
Dibutoxyethyl sebacate, dms., c.l., works lb. .55½ - —
l.c.l. works lb. .56 - —
tanks, works lb. .54 - —
Dibutyl phthalate, dms., c.l., dlvd lb. .29¾ - .30
l.c.l., dlvd lb. .30¾ - .31
tanks, dlvd lb. .28¼ - .28½
Sebacate, dms., c.l., works lb. .51 - —
l.c.l., works lb. .51½ - —
tanks, works lb. .49½ - —
Tartrate, dms., works, frt. alld lb. .62 - —
Dibutylamine, dms., c.l., frt. alld lb. .51½ - —
l.c.l., frt. alld lb. .52½ - —
tanks, frt. alld lb. .49¾ - —
Dicaprylphthalate, dms., c.l., dlvd. lb. .36½ - —
l.c.l., dlvd lb. .37½ - —
tanks, dlvd lb. .35 - —
Sebacate, dms., c.l., works lb. .54½ - —
l.c.l., works lb. .55 - —
tanks, works lb. .53 - —
Dichloroaniln, dms., works lb. 75 - 80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works, lb. .047 - —
l.c.l. works lb. .055 - —
tanks, works lb. .04 - —
Dichlorophenol, dms., c.l., frt. equald lb. .27 - —
l.c.l. frt. equald lb. .28 - —
Dicyclohexylamine, dms., c.l., works lb. .40¼ - —
l.c.l., works lb. .41 - —
tanks, works lb. .39 - —
Dicyclohexylphthalate, lb dms., c.l., works lb. .41 - —
l.c.l., same basis lb. .42 - —
Diethanolamine, dms., c.l., E lb. .26½ - .27¾
l.c.l., same basis lb. .27½ - .28¾
tanks, same basis lb. .25 - .26
Diethyl carbonate, dms., c.l., frt. alld lb. .36¾ - —
l.c.l., same basis lb. .37¾ - —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd lb. .45 - —
l.c.l. dlvd lb. .49 - .52½
tanks, dlvd lb. .43½ - —
Oxalate, dms., c.l., frt. alld lb. .34¾ - —
l.c.l., same basis lb. .35¾ - —
tanks, same basis lb. .33 - —
Phthalate, dms., c.l., dlvd lb. .25½ - —
l.c.l., dlvd. lb. .26½ - —
tanks, dlvd. lb. .24 - —
Sulphate dms., c.l., works lb. .16 - —
l.c.l. works lb. .16½ - —
tanks, works lb. .14½ - —
Diethylamine, dms., c.l., frt. alld, E lb. .37 - —
l.c.l., same basis lb. .38 - —
tanks, same basis lb. .35¼ - —
Diethylaniln, dms lb. .48 - —
Diethyleneglycol, dms., c.l., frt. alld, E lb. .17½ - —
l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .16 - —
Boriborate, dms., l.c.l lb. .28 - —
Diethylether, dms., c.l., works lb. .46½ - —
l.c.l., works lb. .47 - —
Monobutylether, dms., c.l., works, lb. .24½ - —
l.c.l., works lb. .25 - —
tanks, works lb. .23 - —
Monobutylether acetate, dms., c.l., works lb. .26 - —
l.c.l., works lb. .26½ - —
Monoethylether, dms., c.l., works, lb. .18 - —
l.c.l. works lb. .18½ - —
tanks works lb 16½ - —
Monoethylether, acetate, dms., c.l., works lb. .24 - —
l.c.l. works lb .24½ - —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l. works lb .22½ - —
tanks, works lb. .20½ - —
Diethylenetriamine dms., c.l., works, lb. 42 - —
l.c.l., works lb. .42½ - —
tanks, works lb. 40 - —
Diethylethanolamine dms., c.l., works, frt. alld lb. .61½ - —
l.c.l. same basis lb .62½ - —
tanks, same basis lb. .59¾ - —
Diethylstilbestrol, USP, bots kilo.240.00 - 300.00
Digitalin, cryst., bots gram.12.50 - 18.00
powd., bots oz.25.00 - 30.00
Digitalis leaves, dms lb .85 - 1.25
Digitoxin USP, bots gram. 7.50 - 8.00
Diglycol, laurate, dms lb. No prices.
Oleate, dms. lb. .38 - —
Stearate, dms. lb. No prices.
Dihexyl sebacate, dms., c.l., works, lb. .42½ - —
l.c.l., works lb. 43 - —
tanks, works lb. 41 - —
Dihydrostreptomycin hydrochloride and sulphate hospitals vials gram. 60 - —
wholesalers, vials gram. .48 - —

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2038

Dihydroxydichlorodiphenylmethane, dms lb. .93 - 1.00
smaller containers lb. 1.05 - 1.40
Di-isobutyl ketone, dms., c.l., dlvd. lb. .14¼ - —
l.c.l., dlvd. lb. .15¼ - —
tanks, dlvd. lb. .12½ - —
Di-isobutylene, dms., c.l., works lb. .08¼ - —
l.c.l., works lb. .09 - —
tanks, works lb. .05½ - .06½
Di-isooctyl phthalate dms. c.l. dlvd. lb. .38¾ - —
l.c.l., same basis lb. .39¾ - —
tanks, same basis lb. .37 - —
Di-isopropylamine, dms., c.l., frt. alld lb. .45¼ - —
l.c.l., same basis lb. .46¼ - —
tanks, same basis lb. .43½ - —
Dilseed, natural bgs lb. .10½ - .11
dewhiskered, bgs lb. .13 - .13½
Dimethyl chloroacetal, dms., c.l., works lb. .53 - —
l.c.l., works lb. .55 - —
tanks, works lb. .51 - —
Phthalate, dms., c.l., dlvd lb. .24½ - —
l.c.l., dlvd. lb. .25½ - —
tanks, dlvd. lb. .23 - —
Sebacate dms., c.l., works lb. .69½ - —
l.c.l., works lb. .70 - —
tanks, works lb. .68 - —
Sulphate 55-gal ret dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret dms. works lb .16½ —
Dimethylamine 25%-40% dms., c.l., works basis 100% lb. .37 .38
l.c.l., works basis 100% lb. .37½ .38½
tanks, works basis 100% lb .36 —
Dimethylanilin, dms., c.l., frt. alld. lb. .24 - —
l.c.l., frt. alld lb. .25 - —
tanks, frt. alld lb. .23 - —
Dimethylethanolamine, dms., c.l., dlvd lb 1.43 - —
l.c.l. dlvd lb 1.45 - —
tanks, dlvd lb 1.40 - —
Dinitroanilin, dms., frt. equald lb. .54 - .57
Dinitrobenzene, crude, dms lb. .18 - —
purified, dms lb. .19½ - —
Dinitrochlorobenzene, dms., c.l., frt. alld. E lb. .16¼ - —
l.c.l., frt. alld. E lb. .17¼ - —
tanks, frt. alld. E lb. .15¼ - —
Dinitrophenol, bbls lb. .31 - —
Dinitrotoluene, oily, dms lb. .09½ - —
refd., dms. lb. .19 - —
Dinonylnaphthalene c.l., dms., work: lb. .13 - —
l.c.l. dms. works lb. .14 - —
tanks works lb .12 - —
Dioctyl adipate, dms. c.l., works, frt. alld. lb. .42 - .43¼
l.c.l., same basis lb. .43 - .44¼
tanks, same basis lb. .40½ - .41½
Phthalate, dms., c.l., frt. alld lb. .37½ - .38¾
l.c.l., frt. alld lb. .38½ - .40¾
tanks, frt. alld lb. .36 - .38
Diorthotolylguanidin dms. ton lots, dlvd lb. .48 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l. frt. alld lb. .25 - —
l.c.l. same basis lb. .25½ - —
tanks, same basis lb. .23½ - —
Dip oil (see tar acid oil).
Dipentaerythritol bgs. l.c.l. works lb. .34 - —
Dipentene dest.-dist. dms. incl. c.l., works, South gal. .35 - —
l.c.l., same basis gal. .36 - —
N Y whse. gal. .46 - —
tanks, works South gal. .20 - —
steam-dist. dms. c.l., works, south gal. .35 - —
l.c.l., works, South gal. .46 - —
dlvd N Y gal. .52 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide perfume grade, cns., dms. lb. .43 - .62
Phthalate, dms., c.l., works lb. .45 - —
l.c.l., same basis lb. .47 - —
Diphenylamine, bbls lb. .27 - —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots lb .40 - —
Diphenylhydantoin-sodium USP dms. lb. 3.25 - 3.50
Dipropyleneglycol dms. c.l. frt. alld lb. .14½ - —
l.c.l., same basis lb. .15½ - —
tanks, same basis lb. .13 - —
Dipropyleneglycol methylether, dms., c.l., frt. equald lb. .19¾ - —
l.c.l., same basis lb. .20¾ - —
tanks, same basis lb. .18¼ - —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .91 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U S ports ex dock ton 68.00 - —
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l. works lb. .55 - —
l.c.l. works lb .60 - .65
Dodecyltoluene dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb .13 - —
Doggrass root, dom., cut, bls lb. .20 - .24
imp., NF, cut, bls lb. .25 - .30
Dogwood bark, Jamaica lb. .12 - .15
Dragon's blood, drops, cs lb. .45 - .47
mass, cs. lb. .90 - 1.00
reeds, cs lb. 1.75 - 2.00

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—

Blue, FD&C, No. 1, cns.	lb	17.00	-17.60
No. 2, cns.	lb	17.00	-17.60
Green, FD&C, No. 1, cns.	lb.	17.00	-17.60
No. 2, cns.	lb.	22.20	-22.85
No. 3, cns	lb	35.25	-35.90
Orange, FD&C, No. 1, cns.	lb	3.65	3.75
No. 2, cns.	lb	4.55	4.75
Red, FD&C, No. 1, cns.	lb	7.55	7.85
No. 2, cns.	lb	4.00	4.10
No. 3, cns.	lb.	22.20	-22.85
No. 4, cns.	lb	7.20	7.50
No. 32, cns.	lb	5.30	5.40
Violet, FD&C, No. 1, cns	lb.	16.10	—
Yellow, FD&C, No. 1, cns.	lb	10.50	-11.03
No. 3, cns.	lb	3.30	3.40
No. 4, cns.	lb	3.30	3.40
No. 5, cns.	lb	4.00	4.10
No. 6, cns.	lb.	4.00	4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Black, D&C, No. 1, cns.	lb.	10.93	—
Blue, D&C, No. 4, cns.	lb.	13.55	—
Brown, D&C, No. 1, cns.	lb.	16.10	—
Green, D&C, No. 5, cns.	lb.	16.10	—
No. 6, cns.	lb.	16.10	—
No. 7, cns.	lb.	14.80	—
Orange, D&C, No. 3, cns.	lb	10.93	—
No. 4, cns.	lb.	20.05	—
No. 5, cns.	lb	5.70	—
No. 10, cns.	lb.	20.70	—
Red, D&C, No. 8, cns.	lb	3.75	—
No. 9, cns.	lb	3.75	—
No. 10, cns.	lb	3.00	—
No. 11, cns.	lb	2.25	—
No. 12, cns.	lb	3.00	—
No. 17, cns.	lb.	10.93	—
No. 18, cns.	lb.	24.00	—
No. 19, cns.	lb.	20.05	—

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

No. 21, cns.	lb.	4.70	—
No. 22, cns.	lb.	10.95	—
No. 23, cns.	lb.	24.65	—
No. 33, cns.	lb.	17.45	—
Violet, D&C, No. 2, cns	lb.	16.10	—
Yellow, D&C, No. 7, cns.	lb	10.95	—
No. 8, cns.	lb	10.95	—
No. 10, cns.	lb.	13.50	—
No. 11, cns.	lb	13.50	—
No. 22, cns.	lb	9.15	—
No. 33, cns.	lb.	14.65	—
No. 37, cns.	lb	12.55	—

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots works 25-50 lb. lots, dlvd:—

Blue, Ext. D&C, No. 1, cns	lb.	16.10	—
Green, Ext. D&C, No. 1 cns.	lb	16.10	—
Red, Ext. D&C, No. 1, cns.	lb.	13.50	—
Yellow Ext D&C No 1 cns	lb.	10.95	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

20 Chrysodine G.	lb.	.59	—
27 Orange G	lb	71	—
31 Amido naphthol red G.	lb	.59	—
36 Alizarine yellow 2G	lb	.76	—
40 Alizarine yellow R	lb.	.97	—
57 Amido naphthol red 6B	lb	.90	—
79 Ponceau R	lb	68	—
151 Orange II	lb	44	—
165 Red lake C	lb	1.05	—
179 Azo rubine	lb	92	—
176 Red lake A	lb	80	—
180 Diamond blue 3B	lb	.84	—
185 Cochineal red A	lb	.85	—
202 Chrome blue black R	lb.	.62	—
203 Chrome black T	lb.	72	—
208 Sulphon acid blue R	lb.	.83	—
216 Acid alizarin red B	lb.	.77	—

Dihydroxydichlorodiphenyl Methane—Dyes Coaltar General Use

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype)—

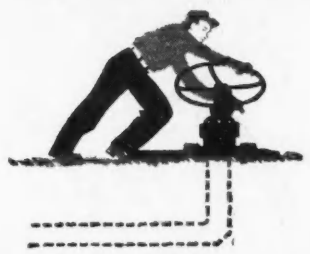
234 Resorcin brown	lb.	.82	-	—
246 Naphthol blue black	lb	.78	-	—
278 Benzo fast red SBL	lb	2.74	-	—
289 Sulphon cyanine 5R extra	lb	1.00	-	—
299 Diamond black F	lb	1.78	-	—
304 Nerol 2B	lb	1.84	-	—
326 Benzo fast orange S	lb	1.45	-	—
332 Bismarck brown R	lb	.78	-	—
365 Chrysophenine	lb	2.14	-	—
382 Diamine black BH	lb	1.51	-	—
401 Diamine black BH	lb	.98	-	—
406 Benzo blue 2B conc	lb	.98	-	—
419 Diamine fast red F	lb	1.05	-	—
420 Diamine brown M	lb	.82	-	—
448 Benzo purpurine 4B	lb	1.08	-	—
518 Diamine sky blue FF	lb	1.48	-	—
561 Trisulphon brown B	lb	1.78	-	—
581 Direct deep black EW extra	lb	.81	-	—
593 Diamine green B	lb	.60	-	—
598 Congo brown G	lb	1.20	-	—
620 Sun yellow	lb	.84	-	—
639 Xylene light yellow	lb	1.77	-	—
640 Tartrazine	lb	1.34	-	—
655 Auramine	lb	1.69	-	—
657 Malachite green	lb	1.93	-	—
662 Brilliant green	lb	2.55	-	—
667 Brilliant milling green B	lb	3.27	-	—
671 Glaucine	lb	1.54	-	—
680 Methyl violet B	lb	.93	-	—
681 Crystal violet	lb	1.91	-	—
698 Formyl violet S4B	lb	1.51	-	—
720 Chrome azurol B	lb	3.60	-	—
729 Victoria blue B	lb	2.48	-	2.68
737 Wool green S	lb	2.14	-	—
749 Rhodamine B	lb	3.85	-	—
814 Chloramine yellow	lb	2.76	-	—
841 Safranine	lb	2.58	-	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):

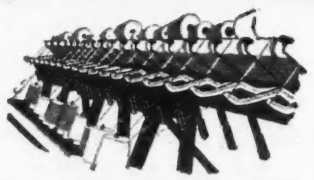
865 Nigrosine WSJ 78	lb.	.60	-	—
922 Methylene blue GXX	lb	1.28	-	—
969 Hydron blue R	lb	72	-	—
978 Sulphur black T extra	lb	.28¼	-	—
1027 Alizarin VI	lb	.64	-	—
1034 Alizarin red S	lb	2.30	-	—
1054 Alizarin saphire B	lb	2.59	-	—
1078 Alizarin cyanine green	lb	2.61	-	—
1085 Alizarin blue black B	lb	2.13	-	—
1096 Indanthrene golden orange G single paste	lb	1.96	-	—
double paste	lb	3.92	-	—
1099 Indanthrene dark blue BO single paste	lb	1.72	-	—
1101 Caledon jade green	lb	2.32	-	—
1106 Indanthrene blue RS, double paste	lb	2.52	-	—
1113 Indanthrene blue GCD, double paste	lb.	1.72	-	—
1150 Indanthrene olive R, single paste	lb	1.08	-	—
1151 Indanthrene brown R, single paste	lb	1.65	-	—
double paste	lb.	3.29	-	—
1212 Indanthrene red violet RH, single paste	lb.	1.54	-	—
1217 Helindon orange R, single paste	lb	1.57	-	—
p-4 Acid anthracine brown P G	lb	2.48	-	—
p-14 Anthracene chromate brown EB	lb	1.25	-	—
p-24 Benzo fast black L	lb	1.94	-	—
p-80 Diazo brilliant scarlet ROA	lb	2.55	-	—
p-202 Zambesi black V	lb	.97	-	—
p-244 Celliton scarlet B	lb	1.25	-	—
p-313 Naphthol AS-SW	lb	2.74	-	—

Dow Serves American Industry

DIETHYLENE GLYCOL



The hygroscopic properties of diethylene glycol make it valuable for gas dehydration.



Diethylene glycol is used as a coupling agent for textile lubricants.

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DOW
CHEMICALS
INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Dyes, Coaltar, For Stains—Fluorspar

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

Black, blue, No. 550	lb.	.72	—
Jet, No. 551	lb.	.79	—
Brown, R, conc	lb.	1.44	—
Orange R, brilliant	lb.	.80	—
Red 4 B, conc	lb.	1.22	—
Yellow, C	lb.	1.05	—
FN, conc	lb.	1.08	—

Dyes, coaltar, for stains, spirit-soluble, 100-lb dms., sellers' works.

Auramine, O	lb.	1.69	—
Black, basic, blue	lb.	1.08	—
Jet	lb.	1.08	—
Blue, methylene, 2 B, conc	lb.	1.42	—
Brown, Bismarck, R, conc	lb.	.78	—
Chrysodine, R, extra	lb.	.55	—
Y, extra	lb.	.59	—
Fuchsine, conc	lb.	2.82	—
Green, malachite, conc	lb.	1.93	—
Rhodamine, B	lb.	3.97	—
Safranine, Y conc	lb.	2.66	—
Violet, methyl, B	lb.	1.01	—

Dyes, coaltar, for stains, water-soluble, 100-lb dms. sellers' works

Black, acid blue B extra	lb.	.76	—
Orange, acid, Y, conc	lb.	.42	—
Rhodamine, azo R, extra conc.			
Rhodamine, R, extra, conc	lb.	3.97	—
Scarlet, croceine, MOO	lb.	1.33	—
Yellow, azo-, conc	lb.	.82	—
Fast light, 3 G, extra	lb.	1.80	—
Methanil, conc	lb.	.83	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls	lb.	.45	.55
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls	lb.	1.20	1.22
Chinese, spot, bbls, duty paid	lb.	.87	.90
tanners, bbls	lb.	.06½	.07
Elder flowers, bright, bls	lb.	.40	.50
Elecampane root, bls	lb.	.22	.25
Elm bark, grinding, bls	lb.	.30	.35
powd., bbls., bxs	lb.	.40	.45
select, bndls	lb.	.55	.60
Emetine hydrochloride, USP, bots	oz.	37.50	40.00
Ephedra herb, bls	lb.	.30	.32
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs	oz.	.90	—
hydrous, bots., 100 ozs	oz.	.92	—
Hydrochloride, tin, 100 ozs	oz.	.75	—
Sulphate, cryst., tins, 100 ozs.	oz.	.72	—
powd., tins, 100 ozs	oz.	.73	—
Epichlorohydrin, dms., c.l., works	lb.	.36¾	—
l.c.l., works	lb.	.37½	—
tanks, works	lb.	.35	—
Epinephrine, synth., USP, bots., 100 grams	gram	.45	—
Epsom salt, tech., bgs., c.l., works, 100 lbs.		2.15	—
l.c.l., works, 100 lbs.		2.90	3.15
USP, cryst., bgs., c.l., works, 100 lbs.		2.35	—
l.c.l., 6,000 lbs., 1 withdrawal, 100 lbs.		3.10	—
smaller lots, 100 lbs.		3.35	—
Ergot, NS, dms., tin-lined	lb.	4.75	5.00
Eserine, bots.	oz.	45.00	50.00
Salicylate, USP, bots	oz.	33.00	34.00
Sulphate, bots.	oz.	33.00	36.00
Ether, acetate (see Ethyl acetate).			
Butyl, dms., c.l., works	lb.	.32½	—
l.c.l., works	lb.	.33	—
tanks, works	lb.	.31	—
Butyric (see Ethyl butyrate).			
Dichloroethyl, purif., dms., frt. equald	lb.	.14	—
l.c.l., same basis	lb.	.14½	—
tanks, same basis	lb.	.13	—
technical, dms., c.l., works	lb.	.12	—
l.c.l., works	lb.	.13	—
tanks, works	lb.	.13½	—
Divinyl, USP, anesthesia, bots., 50 cc, hospitals	bot.	1.00	—
75 cc, hospitals	bot.	1.56	—
NF, dms., dlvd	lb.	.25	—
Ethyl, absolute, ACS, dms	lb.	.30	—
anesthesia, USP nospital, cns.	lb.	.75	.90
Industrial, USP dms, c.l., dlvd.	lb.	.12	—
l.c.l., same basis	lb.	.14	—
tanks, same basis	lb.	.10	—
synthetic, dms., incl., dlvd. East.	lb.	.12	—
l.c.l., same basis	lb.	.14	—
tanks, same basis	lb.	.10	—
Isopropyl, dms., c.l., dlvd	lb.	.06¼	—
l.c.l., dlvd.	lb.	.07	—
tanks, dlvd.	lb.	.04½	—
Nitrous, conc., bots., 100 lbs	lb.	1.03	1.10
Ethyl acetate, natural, fermentation, 85-88% dms., c.l., frt. alld.	lb.	.11¾	.18¾
l.c.l., frt. alld	lb.	.12¾	.19¾
tanks, frt. alld	lb.	.10	.17
95-98%, dms., c.l., frt. alld.	lb.	.12	.19
l.c.l., frt. alld	lb.	.13	.20
tanks, frt. alld	lb.	.10¼	.17¼
99%, dms., c.l., frt. alld	lb.	.12¼	.19¼
l.c.l., frt. alld	lb.	.13¼	.20¼
tanks, frt. alld	lb.	.10½	.17¼
Acetoacetate, dms., c.l., dlvd	lb.	.47½	—
l.c.l., dlvd.	lb.	.48½	—
tanks, dlvd.	lb.	.46	—
Acrylate, dms., c.l., and truckload, works	lb.	.49	—
less than truckload, works	lb.	.49½	—
tanks, works	lb.	.48	—
Benzoate, dms	lb.	.70	.75
Betaethoxypropionate dms works	lb	.70	—
Bromide, tech., 98% dms	lb	.39	.41
Butyrate, bots	gal.	5.10	6.00
cns, works	lb.	.68	.87
dms, works	lb	.60	—
Carbamate (see Urethane)			
Chloride, tech., dms., c.l., frt. alld. E.	lb.	.16	.18
l.c.l., same basis	lb.	.18	.20
tanks, same basis	lb.	.13½	—
USP, bbls., cyl	lb.	.20	.22
Cinnamate, cns	lb	2.25	2.50
Formate, dms	lb.	.55	.65
Iodide, bots., works	lb	3.88	4.27
Lactate, dms., works	lb.	.42½	—
Methacrylate, dms., c.l and truckload, works	lb	.50	—
less than truckload, works	lb.	.50½	.60
Nitrite (see Ether, nitrous)			
Oenanthate, dms	lb.	.95	1.50
Oleate, dms., l.c.l., works	lb.	No prices.	
Oxalate (see Diethyl oxalate).			
Silicate, dist (see Tetraethyl-orthosilicate), 40% available SiO_2, dms, works.	lb	.55	—
Ethylalphanaphthylamine (see Monoethylalphanaphthylamine).			
Ethylanilin, dms., frt. alld	lb.	.50	—
Ethylbenzene, dms., c.l	lb.	.14	—
l.c.l.	lb.	.15	—
tanks	lb.	.13	—
Ethylbutyl ketone, dms., c.l., works.	lb.	.31½	—
l.c.l., works	lb.	.32	—
tanks	lb.	.30	—
Ethylcellulose, fib dms, 5,000 lbs., works	lb.	.54	—
smaller lots, works	lb.	.56	.64
Ethylene dichloride, dms, c.l., works, frt. alld E. of Rockies	lb.	.09½	.10¾
l.c.l., works, frt. alld E of Rockies	lb.	.10½	.11¾
tanks, frt. alld., E. Rockies	lb.	.08	.09
Prices West of Rockies, 1c. per lb. higher.			
Oxide, cyls., c.l., frt. equald	lb.	.23¾	.24¾
l.c.l., frt. equald	lb.	.24¾	.25¾
tanks, frt. dlvd	lb.	.16¾	.17¾
Trichloride (see Trichloroethane)			
Ethylenediamine, dms., c.l., works	lb.	.42	—
l.c.l., works	lb.	.42½	—
tanks, works	lb.	.40	—
Ethyleneglycol, dms., c.l., frt alld. E	lb.	.16	—
l.c.l., same basis	lb.	.17	—
tanks, same basis	lb.	.14½	—
Diethylether, dms., c.l., works	lb.	.55	—
Monobutylether, dms., c.l., works	lb.	.20	—
l.c.l., works	lb.	.20½	—
tanks, works	lb.	.13¾	—
Monoethylether, dms., c.l., works,	lb.	.18	—
l.c.l., works	lb.	.18½	—
tanks, works	lb.	.16½	—
Monoethylether acetate, dms., c.l., works	lb.	.16	—
l.c.l., works	lb.	.16½	—
tanks, works	lb.	.14½	—
Monomethylether, dms., c.l., works,	lb.	.19½	—
l.c.l., works	lb.	.20	—
tanks, works	lb.	.18	—
Monomethylether acetate, dms., c.l., works	lb.	.24½	—
l.c.l., works	lb.	.25	—
tanks, works	lb.	.23	—
Monostearate, dms.	lb.	.33	—
Ethylethanolamines, mixed, dms., c.l., frt. alld., E. Miss	lb.	.33¾	—
l.c.l., same basis	lb.	.34¾	—
tanks, same basis	lb.	.32	—
Ethylmorphine hydrochloride, USP bots	oz.	11.85	—
Ethylorthotoluidine (see Monoethyl-orthotoluidine).			
Ethylvanillin cns., 3 lbs or more	lb	6.75	—
smaller lots	lb	6.90	6.90
Eucalyptol, USP, cns., dms	lb	1.25	2.05
Eucalyptus leaves, bls	lb	.10	.14
Eugenol, pure, USP, cns	lb.	2.50	3.25
Euphorbia, pil., herb., bls	lb.	.18	.20

F

Feldspar enamel, 100 mesh, bgs., works	ton.	20.00	22.00
Glass, 20 mesh, bulk, tons, works.	ton.	11.75	12.50
Pottery, bgs., ton lots, works	ton.	20.00	22.00
bulk, c.l., works	ton.	18.00	20.00
Fennel seed, Czech., dark, bgs	lb.	.11½	.12
French, bgs.	lb.	.12	.12¼
Indian, bgs	lb.	.12½	.13
Fenugreek, domestic, bgs	lb.	No stocks.	
Indian, bgs	lb.	.11	11¼
Moroccan, bgs	lb.	.06½	.07
Syrian, bgs	lb.	.07	.07½
Ferric-ammonium citrate (see iron-ammonium citrate)			
Ferric cacodylate (see iron cacodylate).			
Ferric glycerophosphate (see iron-glycerophosphate).			
Ferric hypophosphite (see iron hypophosphite).			
Ferric sulphate (see iron sulphate, ferric).			
Film scrap, colored, cs., works	lb.	.11½	—
water-white, cs., works	lb	13½	—
Fir balsam, Canada, cns	gal.	31.50	32.50
Oregon, bbls.	gal	2.35	2.60
Fishberries, bgs	lb.	.20	.25
Fishliver oil (see Oil, fishliver).			
Fishmeal, ground, 60% protein, bgs., Balto. area	ton.	135.00	—
Fishscrap, dried 60% protein, bulk, Balto. area	ton.	127.50	—
Fluorspar, acid grade bgs., c.i. mines	ton	47.50	—
l.c.l., mines	ton	49.50	—
bulk, contract, c.l., mines	ton	42.00	—
noncontract, c.l., mines	ton	45.00	—
l.c.l., mines	ton	47.00	—
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk c.l mines, net	ton.	37.00	—
powd., 90-92%	ton	41.00	—
foundry grade, lump, 55-60%	ton.	34.00	—
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines	ton.	37.00	—
65%, bulk, c.l., mines	ton.	36.00	—
60%, bulk, c.l., mines	ton.	34.00	—
less than 60% bulk c.l., mines	ton.	32.00	34.00

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l.c.l., E. works lb. .0620- —
tanks, E. works lb. .0370- —
methanol-free (uninhibited), tanks, works lb. .0350- —

Tankcar and tankwagon prices above are on a delivered oasis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware; in states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.

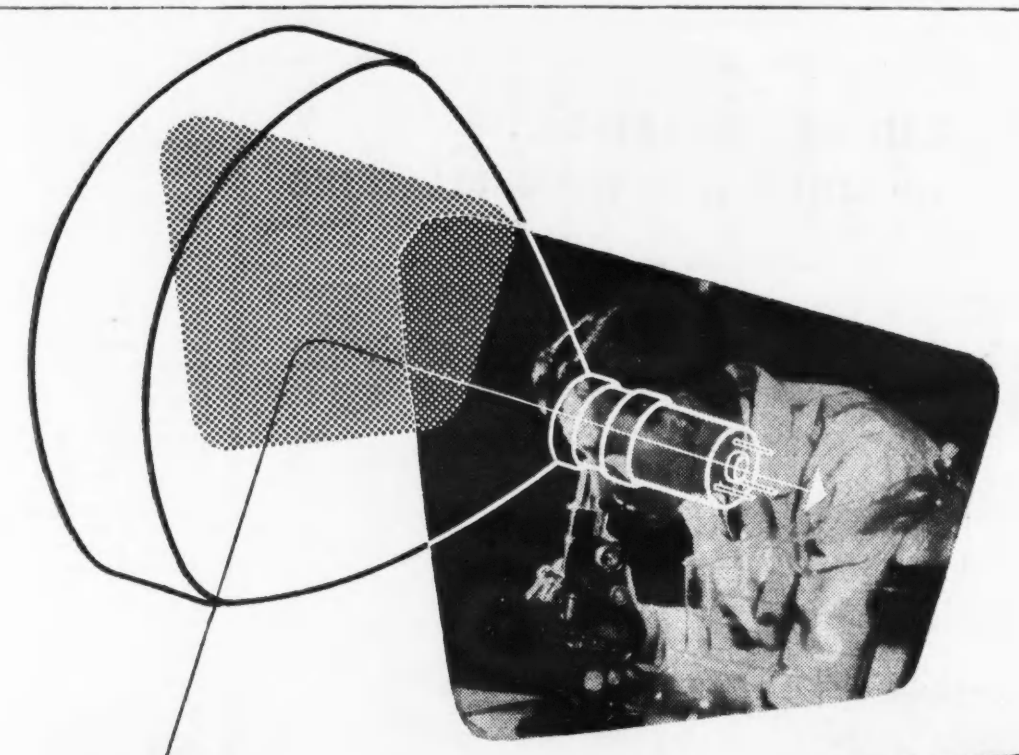
Fleaseed (see Psyllium seed).
Fringetree bark, bls lb. .53 - .56
Fuller's earth dom. powd., bgs., c.l., Fla. Ga mines ton 30.00 - —
Tex., mines ton 27.00 - —
spent, bulk, Bayonne ton 2.00 - 4.00
imported, bgs., c.l. ton 30.00 - 40.00
Furfural, tech., dms., c.l., works lb .12 - —
l.c.l., works lb .14 - —
tanks, works lb .09½ - —
Fusel oil, refined, dms., c.l., dlvd lb. .23¾ - —
l.c.l., dlvd lb. .24¾ - —
tanks, dlvd lb. .22 - —
Fustic extract crvst., No. 1, bbls., l.c.l lb. 42½ - —
No. 1a, bbls., l.c.l lb. 41½ - —
No. 2, bbls., l.c.l lb. 40½ - —
No. 3, bbls., l.c.l lb. 38½ - —
liquid, No. 0, bbls., l.c.l lb .22 - —
No. 1, bbls., l.c.l lb .20½ - —
No. 2, bbls., l.c.l lb .19½ - —
No. 3, bbls., l.c.l lb .17 - —
solid, No. 1, bxs., l.c.l lb. .28 - .40

G

G salt, bbls, frt. alld lb. .66 - —
Galangal root, bls lb. .25 - .30
Gambier, plantation, bgs., ex dock lb. No stocks.
Extract, bbls No stocks.
Gammapicoline 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane tanks gal. .105 - —
Bayonne, 83 octane, tanks gal. .116 - —
Gulf coast, 82 octane, tanks gal. .105 - .11
Group 3, 82 octane, tanks gal. .10125- .10375
Pennsylvania, western, U. S. motor, 83 octane, tanks gal. .1275- —
natural, 26-70 octane group 3, tanks gal. .05125- —
Gelatin, silver label, imported, cs lb. 1.13 - —
Geisemium root, bls lb. .30 - .32
Gentian root, bls lb. .16 - .18
grd., bbls., bxs lb. .20 - .22
powd., bbls., bxs lb. .21 - .23
Geraniol, extra, cns., dms lb 2.60 - 3.00
prime lb 2.20 - 2.40
Geranyl acetate, cns lb. 2.60 - 3.00
Ginger, oleoresin, NF, from African root, bots lb. 7.75 - 9.50
from Jamaican root lb. 10.50 - 14.00
Root, African, bls lb. .43 - .44
May-June shipment, bgs lb. .38 - .39
Cochin, bleached, bgs., futures, lb. No stocks.
unbleached, bgs lb. .50 - .51
Jamaica, No. 1, bgs lb. .63½ - .64
No. 2, bgs lb. .61 - .62
No. 3, bgs lb. .57 Nom.
Rhattoon, bgs lb. .50 Nom.
Nigerian, split, bgs lb. .34 - .35
Ginseng root, cs lb. 12.00 - 16.00
Glauber's salt, anhyd (see Sodium sulphate)
crvst., bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., bgs., works 100 lbs. 1.75 - 2.00
Glue, bone, calcium type 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .19½ - —
65 jellygrams, bgs., c.l., same basis lb. .21½ - —
80 jellygrams, bgs., c.l., same basis lb. .23 - —
110 jellygrams, bgs., c.l., same basis lb. .24 - —
130 jellygrams, bgs., c.l., same basis lb. .25 - —
Over 150 jellygrams, bgs., c.l., same basis lb. .26 - —
Bone glue, l.c.l., 1c. per lb. higher than c.l.
ground, 65 jellygrams, bgs., c.l. (50,000 lbs.), dlvd lb. .21½ - —
l.c.l., same basis lb. .22½ - —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd lb. .24 - .27
122-149, bgs., c.l., dlvd lb. .25 - .28
150-177, bgs., c.l., dlvd lb. .26 - .29
178-206, bgs., c.l., dlvd lb. .27 - .31
207-236, bgs., c.l., dlvd lb. .28 - .32
237-266, bgs., c.l., dlvd lb. .29 - .33
267-296, bgs., c.l., dlvd lb. .30 - .34
299-330, bgs., c.l., dlvd lb. .31 - .35
331-362, bgs., c.l., dlvd lb. .32 - .35
363-394, bgs., c.l., dlvd lb. .33 - .36
395-427, bgs., c.l., dlvd lb. .34 - .37
428-460, bgs., c.l., dlvd lb. .35 - .38½
461-494, bgs., c.l., dlvd lb. .36 - .40
495-529, bgs., c.l., dlvd lb. .37 - .41
Hide glue, l.c.l., prices 1c. higher than c.l., bbls. ½c. more than bgs.
Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd lb. .41 - .45
soaplye, 80%, tanks, dlvd lb. .35 - .38
dynamite, dms., c.l., dlvd lb. .34 - .47
l.c.l., dlvd lb. .34½ - .47½
tanks, dlvd lb. .33½ - .46½
high gravity, dms., c.l., dlvd lb. .34¼ - .47
l.c.l., dlvd lb. .34¾ - .47½
tanks, dlvd lb. .33¾ - .46½
refined, BP, 98%, dms., c.l., dlvd. lb. .35½ - .49
l.c.l., dlvd. lb. .36 - .49½
tanks, dlvd. lb. .35 - .48½
USP, c.p., 95%, dms., c.l., dlvd. lb. .34¾ - .47½
l.c.l., dlvd lb. .35¼ - .48
tanks, dlvd lb. .34¼ - .47
yellow, distilled, dms., c.l., dlvd lb. .34⅛ - .46⅞
l.c.l., dlvd lb. .35⅛ - .47⅞
tanks, dlvd lb. .33⅛ - .46⅞
Glycine USP (see Acid aminoacetic)
Glyoxal, 30%, dms., c.l., works lb. .18½ - —
l.c.l., works lb. .19 - —
tanks, works lb. .18 - —
Gold chloride, acid-brown, bots oz. 22.50 - 23.00
acid-yellow, bots oz. 20.50 - —
Gold of pleasure seed, bgs lb 40 43
Goldenseal root, bls lb 3.25 3.50
powd., bxs lb. 3.75 - 4.00
Gold-sodium chloride photo, bots. oz. 13.00 - 14.00
USP IX, bots oz. 14.50 - 15.50
Grains of paradise, bgs lb. .46 - .55
Graphite, imported amorph, powd., bgs., dlvd lb. No prices.
crystalline 88-90% powd., bgs., ex whse lb. No prices.
90-92% powd., bgs., ex whse, lb No prices.
97% powd., bgs., ex whse lb. No prices.
flake, No. 1, 90-95%, bgs., ctns., ex whse lb. No prices.
No. 2, whse lb. No prices.

Grease, house, loose, dlvd lb. .06¾ - —
White, choice, loose lb. .08¾ - —
Wool (see Degras and Lanolin).
Yellow, loose lb. .07 - —
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 - 4.50
Tungstic, kgs., works lb. 4.25 - 4.50
16-20% bbls., same basis lb. .38½ - —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd, N. of Tenn. and N.C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .32 - .33
6-10%, bbls., same basis lb. .33 - .34
11-15%, bbls., same basis lb. .34 - .35
16-20%, bbls., same basis lb. .34½ - .35½
21-25%, bbls., same basis lb. .35¼ - .36¼
26-30%, bbls., same basis lb. .35¾ - .36¾
31-35%, bbls., same basis lb. .36¾ - .37¾
36-40%, bbls., same basis lb. .38½ - .39½
41-45%, bbls., same basis lb. .40 - .41
46-50%, bbls., same basis lb. .22¼ - .23¼
50% and over, bbls., same basis lb. .43¾ - .44¾
reduced color, 5%, bbls., same basis lb. .12½ - —
6-10%, bbls., same basis lb. .13¼ - —
11-13%, bbls., same basis lb. .13¾ - —
14-16%, bbls., same basis lb. .14½ - —
17-19% bbls., same basis lb. .14¾ - —
20-21%, bbls., same basis lb. .15 - —
Green, chrome, reduced colors, 22-23%, bbls., same basis lb. .15¼ - —
24-25%, bbls., same basis lb. .15¼ - —
26-27%, bbls., same basis lb. .15¾ - —
28-29%, bbls., same basis lb. .16¼ - —
30-31%, bbls., same basis lb. .17¼ - —
32-33%, bbls., same basis lb. .18½ - —
34-35%, bbls., same basis lb. .19½ - —
36-40%, bbls., same basis lb. .41¾ - —
41-45%, bbls., same basis lb. .24½ - —
46-50%, bbls., same basis lb. .26 - —
51-55%, bbls., same basis lb. .25¾ - —
56-60%, bbls., same basis lb. .26¼ - —
61-65%, bbls., same basis lb. .27¼ - —
66-70%, bbls., same basis lb. .28½ - —
Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld lb .33 - .40

Green dyes (see Dyes, coaltar).
Malachite (thioflavin toner, molybdic, bbls., works lb 3.00 - —
Tungstic, bbls., works lb 3.40 - —
Paris (see P).
Phthalocyanin toner, bbls., works, lb 4.40 6.00
Tungstated, brilliant, kgs lb. 3.00 - 4.00
Emerald, kgs lb 2.60 —
Grindella robusta herb, bls lb. .24 - .30
Guaiac resin, NF, cs lb. .60 - .65
ordinary, cs lb. .49 - .51
Wood, bls lb. .35 - .36
Guaiacol, crvst., tins lb. No prices.
Liquid, NF, bots., cbys lb. 1.90 - 1.95
Carbonate, dms lb. 2.95 - 3.00
Guarana, powd., cs lb. 1.50 - 1.75
Gum, accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs lb .90 .93
Arabic, amber, sorts, bgs lb. .12 - .13½
powdered, USP, bbls lb. .20½ - .21
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs lb. .50 - .70
Camphor (see C).
Copal, Congo, No. 1, bgs lb. .25 - .26
No. 2, bgs lb. .20 - .22
No. 3, bgs lb. .17½ - .19¼
Manila, toha, B, bgs lb No prices.
C, bgs lb. .28 - .30
CBB, bgs lb. .26 - .27
CNE, bgs lb No prices.
DBB, bgs lb. .25 - .28
DK, bgs lb. .18 - .24
dust, bgs lb. .07½ - .09
soft, MA, bgs lb. .19 - .21
WS, bgs lb. No prices.



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Copper		0.3 ppm
Silver	Less than	0.1 ppm
Bismuth	Less than	0.1 ppm
Cobalt	Less than	0.5 ppm
Chromium	Less than	0.5 ppm
Cesium	Less than	0.1 ppm
Iron		0.2 ppm
Lithium		0.9 ppm
Manganese	Less than	0.1 ppm
Nickel	Less than	0.5 ppm
Aluminum		15.0 ppm
Barium	Less than	0.1 ppm
Cadmium	Less than	0.1 ppm
Lead		1.2 ppm
Silicon	Less than	1.0 ppm
Tin		0.3 ppm
Strontium	Less than	0.1 ppm
Titanium	Less than	0.5 ppm
Zinc	Less than	1.0 ppm

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nubs, bgs lb. .28 - .30
seeds, bgs lb. .17 - .21
sorts, bgs lb. .19 - .21
Pontianak, chips, bgs lb. .16 - .22
nubs, bgs lb. .26 - .32
Dammar, Batavia, A/D, bgs lb. .28 - .30
A/E, bgs lb. .23 - .25
dust, bgs lb. .08 - .10
E, bgs lb. .12½- .14½
East India, batu, bold, bgs lb. .11 - .13
nubs and chips, bgs lb. .07 - .10
black, bold, bgs lb. .11¼- .14
unscraped, bgs lb. .09½- .12
nubs and chips, bgs lb. .08½- .11
pale, chips, bgs lb. .14 - .16
nubs, bgs lb. .23 - .26
Singapore, No. 1, bgs lb. .24 - .36
No. 2, bgs lb. .23 - .25
No. 3, bgs lb. .09½- .11
dust, bgs lb. .09½- .11
seeds, bgs lb. .12½- .13½
Elemi, cns lb. .23 - .24
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid Atl States, N E States, Minneapolis, N C., Ohio, St Louis, St Paul, Va., W Va lb. .12 - .12½
wood-rosin type, dms., c.l., dlvd, Ill., Ind., etc lb. .12 - .12½
Euphorbium, cs lb. .35 - .40
Galbanum cs lb 75 - .80
Gamboge, pipe, cs lb 1.00 - 1.05
powd., bbls. lb 1.15 - 1.20
Ghatti, No 2, bgs lb .35 - .37
No 3, bgs lb .31 - .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1 lb. .49 - .54
No. 2 lb. .45 - .46
No. 3 lb. .34 - .35
Gum, kauri, bgs lb. .31½- .32¾
Locust bean, powd., bgs lb. .32 - .34
Mastic, cs lb 2.25 - 2.50
Myrrh, cs lb. .30 - .35
Olibanum, siftings, cs lb. .12 - .13
tears, cs lb. .16 - .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks lb 1.95 - 2.25
Scammony, cs lb. 1.50 - 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb 10 11
Tragacanth, No. 1, cs lb. 3.50 - 3.75
No. 2, cs lb. 2.30 - 2.55
No. 3, cs lb. 2.00 - 2.25
powdered, USP, bbls lb. 1.50 - 1.55
Yacca, bgs lb. .06 - —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt. equald ton.22.65 - —
Harlem river, N Y., frt. equald ton.28.25 - —
Medicine Lodge, Kan., frt. equald ton.17.00 - —
New Brighton, N Y., frt. equald ton.30.65 - —
Southard, Okla., frt. equald. ton.17.00 - —
Sweetwater, Tex., frt equald ton.21.45 - —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald ton.12.50 - —
Blue Rapids, Kans., frt equald ton.10.50 - —
Harlem river, N Y., frt. equald ton.12.00 - —
Medicine Lodge, Kan., frt. equald ton.12.50 - —
Gypsum, plaster of paris, paper bgs., c.l., New Brighton, N. Y., frt. equald ton.18.00 - —
Saltville, Va., frt. equald ton 9.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald ton.12.50 - —
Stucco, paper bgs., c.l., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton 8.00 - —
Clarence Center, N Y., frt. equald ton 8.00 - —
Fort Dodge, Iowa, frt. equald ton 8.00 - —
Gypsum, Ohio, frt equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton 8.00 - —
Harlem river, N Y., frt. equald ton 8.00 - —
National City, Mich., frt. equald ton 8.00 - —
New Brighton, N Y., frt. equald ton 8.00 - —
Plasterco, Ga., frt. equald ton. 8.00 - —
Portsmouth, N H., frt. equald ton 8.00 - —
Roton, Texas, frt. equald. ton. 8.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt. equald ton 8.00 - —
Terra alba, paper bags c.l., Harlem River, N Y works ton.22.50 - —
New Brighton, N. Y., works ton.21.00 - —

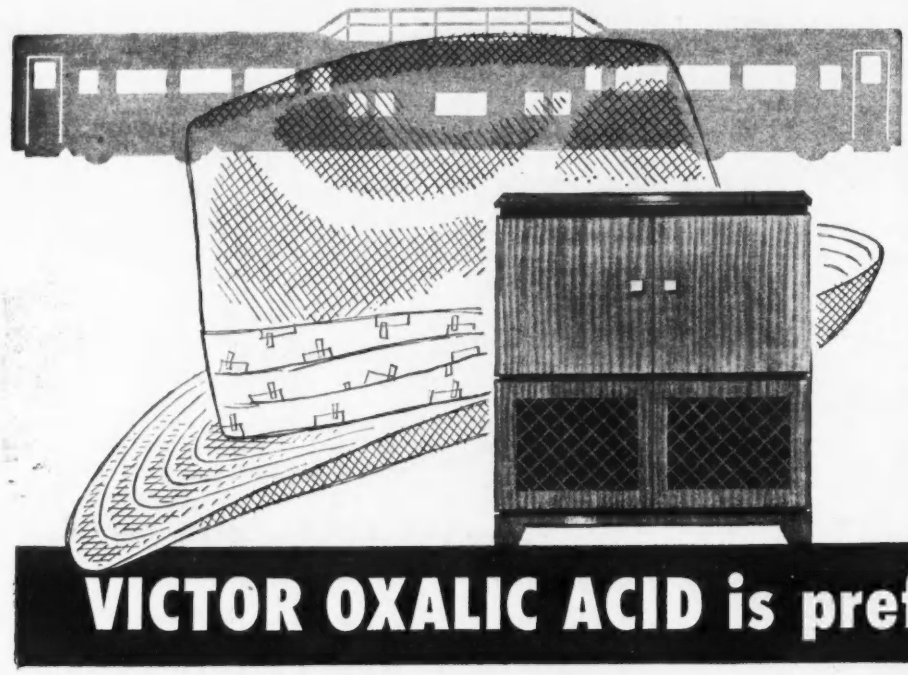
H

Hawthorn berries, bgs lb. .40 - .45
Heliotropin, cryst., cns lb 3.00 - 3.25
Hellebore root, dom., green bls lb. .80 - 1.10
imp., black, whole bls lb. .25 - .30
ground, bxs lb. .30 - .35
powder, bxs lb. .32 - .37
white, whole, bls lb. .25 - .30
powder, bxs lb. .35 - .45
Helonias root, bls lb. 1.65 - 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l lb. .45½- —
No. 1, bbls., l.c.l lb. .44½- —
No 1A, bbls., l.c.l lb. .41½- —
No. 2, bbls., l.c.l lb. .40½- —
No 3, bbls., l.c.l lb. .38½- —
No 4, bbls., l.c.l lb. .36½- —
No 5, bbls., l.c.l lb .34½- —
paste, No. 1, bbls., l.c.l lb. .19 - —
No 2, bbls., l.c.l lb. .18 - —
No 3, bbls., l.c.l lb. .17 - —
No 4, (red), bbls., l.c.l lb. .12½- —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls lb. .30 - .35
Henna leaves, bls lb. .23 - .23
powd., bbls., bgs lb. .27 - .29
Heptane (industrial Bayonne, N. J. tanks gal. .17 - —
group 3, tanks gal 12½- .13½
Hesperidin methylchalcone, works lb.50.00 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine tech., bgs. c.l., Perth Amboy or N.Y.C. lb. .22 - —
l.c.l., same basis lb. .22½- —
bbls., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .24½- —
USP, dms., 500 lbs. or more, same basis lb. .38½- —
smaller lots, same basis lb. .39½- —
Hexamine (see Hexamethylene tetramine)
Hexane, industrial, group 3, tanks. gal. .148 - —
Bayonne, N. J., tanks gal. .17 - —
Hexanol, normal, dms., c.l., works lb. .31½- —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Hexyleneglycol, dms., c.l., dlvd lb. .14¼- —
l.c.l., dlvd. lb. .15 - —
tanks, dlvd. lb. .12½- —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol, USP, 50 lbs. up, frt. alld lb.17.00 - —
works lb.15.00 -17.00
smaller lots, frt. alld lb 18.00 - —
works lb.18.00 -20.00
Histamine diphosphate, USP, bots kilo.375.00 - —
Histidine hydrochloride—laevo, NF, 5lb dms., 50 kilo lots, works kilo.100.00 -120.00
1-5 kilos, works kilo.110.00 -130.00
Homatropine hydrobromide, USP, bots oz.15.00 -16.00
Hydrochloride, bots oz.20.00 -22.00
Methylbromide, NF oz 13.00 -16.25
Hoof meal, 17-18% ammonia, bulk, c.l., Chicago, unit-ton. 7.00 - —
Hops, NF, bls lb 40 - 45
Horehound herb, bls lb. .18 - .20
Hydrangea root, bls lb .14 - .17
Hydrastine, bots oz.31.00 -37.00
Hydrochloride, NF oz.29.50 -36.00
Sulphate, bots oz.35.00 -37.00
Hydrastinine, 10-grain bots bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydroturamide, dms. 5lb. cans, works lb. .30 - .40
Hydrogen chloride, anhyd., 50 lb. cyl., works lb. .50½- .55½
Peroxide, USP, bbls lb. .03¾- .05
27½%, cbys., E. of Miss. lb. .17½- .19½
35%, cbys., same basis lb. .23½- .25½
dms., c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21 - .23½
tanks lb 19¾ -
Hydrogen peroxide prices on W. Coast, 2c. per lb. higher.
Hydroquinone, photographic, bbls., dms lb. .90 - —
tech., dms lb 70 - —
Hydroxycitronellal, cns lb. 7.30 - 8.05
Hyoscine salts (see Scopolamine)
Hyoscyamine, bots oz.15.75 -16.00
Hydrobromide, bots lb.16.50 -18.00
Sulphate, bots oz.12.50 -13.00
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .56 - —
No. 2, bbls., l.c.l lb. .48 - —
liquid, No. 1, bbls., l.c.l lb. .30 - —
No. 2, bbls., l.c.l lb. .25 - —
solid, No. 1 bxs., l.c.l lb 44 - —
Hyssop herb, bgs lb. .40 - .45
Leaves, bgs lb. .45 - .50

I

Iceland moss, bgs lb. .35 - .40
Ichthammol, NF, dms lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests lb 2.14 - 2.16
synth., paste, bots lb .23 - —
powd., bbls lb 1.03 - —
Indol, CP, bots lb.17.50 -21.00
Inositol, dms., dlvd lb 4.90 - —
tins, dlvd lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs lb. 1.52 - —
resubl., USP, bots., jars lb. 2.30 - 2.41
Iodochlorohydroxyquinolin, NF dms. lb 5.90 - —
Iodoform, NF, dms., kgs lb 4.45 4.60
Ionone, alpha, cns lb. 6.10 -14.00
beta, cns lb. 8.65 -10.00
Ipecac root, bgs lb. 5.00 - 5.25
powd., bgs lb. 5.25 - 6.00
Irish moss, bleached, prime, bls lb. .18 - .20
Iron acetate, liquor, 28° bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
solut., USP IX, cbys. lb. .16 - —
dms. lb. .17 - —
Cacodylate, NF, bots lb.13.50 -14.50
Chloride (ferric), annydr., tech., dms., c.l., works 100 lbs 5.75 - —
l.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works 100 lbs 5.00 - 6.00
l.c.l., bbls., works 100 lbs. 5.50 - 8.00
USP, dms., works lb. .07 - .08½
solut., 42° Be, 100% basis, tanks, works 100 lbs. 3.45 - —
Citrate, gran., dms lb. .77 - .80
Gluconate, NF, dms lb. .83 - .95
Glycerophosphate, N.F., powd lb 4.25 - 4.35
Hypophosphite, NF, dms lb 2.80 - —
Iodide, bgs lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb .21¼ - 21¾
Oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., cs lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., dms lb. .78 - .91
Reduced (see Iron by hydrogen).
Resinate, 7.4% Fe, dms., frt. alld. lb. .23 - —

from RAIL CAR CLEANING... TO STRAW AND WOOD BLEACHING



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- Radiator Cleaning Compounds
- Laundry Sour, for Neutralizing Alkali, Discharging Bleach, and Removing Iron Stains
- Bleaching Straw, Wood, Cotton Linters
- Removing Rust Stains from Marble
- Purifying Rosin
- Manufacture of Metal Polishes
- Manufacture of Candles, Varnish, Paper, Textiles

Victor oxalic acid is a brilliant, transparent, colorless, crystalline material. It is a strong acid in convenient, dry form. Typical quality: Assay (min.) 99.8%, $(COOH)_2 \cdot 2H_2O$, SO_3 (max.) 0.05%. Solubility: 12.5 parts in 100 parts water at 25°C. Available in barrels or fiber drums.

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Aluminum Formate
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Tricalcium Phosphate
Ferric Orthophosphate
Sodium Iron Pyrophosphate
Ferrosphosphorus
Formic Acid
Oxalic Acid
Phosphoric Acids
Carbamide Phosphoric Acid
Phosphoric Anhydride
Phosphorus
Phosphorus Oxychloride
Phosphorus Trichloride
Potassium Phosphates
Hemisodium Phosphate
Monosodium Phosphate
Disodium Phosphates
Trisodium Phosphate
Tetrasodium Pyrophosphate
Sodium Tripolyphosphate
Sodium Acid Pyrophosphate
Sodium Formate
Sodium Oxalate
Stabilizers
Tetraethyl Pyrobase
Wetting Agents

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Ceramics—Glass
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Cookies—Crackers
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Denture Cleaners
Detergents
Dyeing
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Food Enrichment
Insecticides
Laundering
Leather Tanning
Metals and Alloys
Metal Cleaning
Metal Plating
Nutrient Solutions
Oil Drilling Muds
Organic Chemical Mfr.
Paint—Varnish
Petroleum Refining
Pharmaceuticals
Phosphated Flour
Plastics
Prepared Flour Mixes
Process Cheese
Pulp and Paper
Pyrotechnics—Munitions
Rustproofing
Salt
Self-Rising Flours
Soaps
Soft Drinks
Sugar
Textile Processing
Tooth Powder & Paste
Water Proofing
Water Treatment

Iron stearate, dms., c.l. lb. .36 - —
ton lots lb. .37 - —
less ton lots lb. .38 - —
Sulphate, partially hydrated, bgs., c.l., works ton 28.50 - —
l.c.l., works ton 29.50 - —
ferrous, tech. (see Copperas)
USP, cryst., bbls., dms lb. .09½- .10
Iron by hydrogen, kgs lb. .80 - .85
Iron-ammonium citrate, green, NF, gran., dms lb. .55 - .58
brown, USP, gran., dms lb. .55 - .58
Oxalate, dms lb. .25½- .28½
Iron-potassium oxalate fine gran., dms. lb. .30½- .33½
Iron-sodium oxalate, fine gran., dms lb. .25½- .28½
Isoborneol, cns. lb. .84 - .95
Isobornyl acetate, cns lb. .77 - .97
Isobutyl acetate, cns lb. .72 - 1.25
Methacrylate, dms., works lb .60 - —
Propionate, cns lb No prices
Isobutyraldehyde dms., works lb .50 .53
Isoeugenol, cns lb. 3.50 - 3.55
Isoleucine, dextro-laevo, with allo-isoleucine, dms., works lb. 24.00 -35.00
Isopentane, dms., works lb. .45 .55
Isophorone, dms., c.l., works lb. .22½- —
l.c.l., works lb. .23 - —
tanks, works lb. .21 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld. lb. .10¾- .11¾
l.c.l., same basis lb. .11½- .12½
tanks, same basis lb. .09 - .10
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene)
Ether (see Ether, isopropyl).
Isopropylamine (see Monoisopropylamine).
Isoquinoline, dms., c.l., works lb. .20 - —
l.c.l., works lb. .40 - —

J

Jaborandi leaves, bls. lb. .15 - .20
Jalap root, NF, bls lb. .43 - .45
powd., bbls., bxs lb. .48 - .50
Resin, NF, powd., bxs lb 6.20 - 6.60
Juniper berries, bgs lb. .10 - .15
Tar, dms. lb. .40 - .65

K

Kamala, powd., cns lb. .70 - .80
Kaolin (see China clay).
Kava kava root, bls lb. .25 - .30
Kerosene, at refinery, Ark., 42-44 specific gravity, w.w., tanks gal. .03623- —
Bayonne, 41-43 s.g., w.w., tanks, gal. .096 - —
California, 40-43 s.g., w.w., tanks gal. .121 - .126
Gulf ports, 41-43 s.g., w.w., tanks gal. .085 - .09
Okla.-Tex., 41-43, s.g., w.w. tanks, gal. .085 - .09
Penn., Western, 43 s.g., w.w., tanks gal. .0973- .10
Kola nuts, bgs lb. .09 - .10
Kyanite, imp., low iron content, 10 mesh, whse ton 85.00 -95.00
calcined, grain, 10-mesh, whse ton 95.00 -105.00

L

Lady slipper root, bls. lb. 1.43 - 1.50
Lanolin, anhyd., cosmetic, dms., works lb. .31 - .32
pharmaceutical, USP, dms., works lb. .28 - .31
hydrous lb. .27 - .29
Lard, cash, trcs., Chicago lb. .1450- —
Larkspur seed, bgs lb .20 - .25
Laurel berries, bls lb. .25 - .26
Leaves, Greek, bls. lb. .08 - .08¼
Turkish, bls. lb. .11 - .11½
Yugoslavian, bls. lb. .08½- .09
Lauryl chloride, dms., works, frt. equald lb. .711 - —
Methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls. lb. .55 - .60
ordinary, bls. lb. .16 - .20
select, bls lb. .60 - .65
Lead acetate, white, crystals, bbls., lb. .20 - —
gran., bbls. lb. .21 - —
powd., bbls lb. .21 - —
USP, cryst., dms lb. .21¾- —
gran., powd., dms lb. .21¾- —
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or over lb. .23 - —
l.c.l., frt. alld lb. .26 - .27
1-lb. bgs., c.l., frt. alld. lb. .37½- —
l.c.l., frt. alld. lb. .38½- .39½
Lead arsenate prices are works or whse. basis frt. alld. on purchases totaling $75.00 or more to dest. East.
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld. lb. .14¾- —
l.c.l., works lb. .15¾- —
Carbonate (see Lead, white).
Chloride, dms. lb. .39 - —
Iodide, NF V, jars lb. 3.30 - —
Linoleate, liq. 13% Pb, dms., frt. alld lb. .29¼- —
Metal, pigs, prime, N. Y. lb. .15 - —
St. Louis lb. .1480- —
Metallic paste, dms., 20,000-40,000 lbs., works lb. .27½- —
10,000-20,000 lbs., same basis lb. .28 - —
2,000-10,000 lbs., same basis lb. .28½- —
200 to 2,000 lbs., same basis lb. .29 - —
Prices ex whse., Jersey City, N. J., 4½c. per pound higher.
Naphthenate, liquid, 16% Pb, dms., dlvd lb. .15¼- —
24% Pb, dms., dlvd lb. .20¾- —
37% Pb, dms., dlvd lb. .27¼- —
Nitrate, bbls., c.l. lb. .20 - —
l.c.l. lb. .20¼- —
Oleate, fused, bbls lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .29½- —
60% PbO, dms., works lb. .28 - —
Peroxide, powd., tech., bbls lb. .40 - .41
Phthalate, dibasic, dms., works, lb. .37½- —
Red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .17¾- —
l.c.l., same basis lb. .18¾- —
97% Pb_3O_4, bbls., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .19 - —
96% Pb_3O_4, bbls., c.l., same basis lb. .18¼- —
l.c.l., same basis lb. .19¼- —
Resinate, precip., dms., dlvd lb. .25½- —
Salicylate, normal, dms., works lb. .41¾- —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .14¾- —
Stearate, dibasic, dms., works lb. .50¼- —
precip., bbls., c.l. lb. .36 - —
ton lots lb. .37 - —
less ton tots lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
tribasic, dms., works lb. .24¼- —

Lead tallate, liquid, 16% Pb, dms. lb. .13½- —
24% Pb, dms lb. .17¾- —
solid, 30% Pb, dms lb. .21 - —
White, basic carbonate, bgs., c.l., ship't point, frt. alld. lb. .16¼- .17
l.c.l., same basis lb. .17¼- .18
basic silicate, bgs., c.l., ship't point, frt. alld. lb. .15¼- .18¼
l.c.l., same basis lb. .16¼- .19¼
basic sulphate, bgs., c.l., ship't point, frt. alld. lb. .14¾- —
l.c.l., same basis lb. .15¾- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works lb. .15½- —
l.c.l., same basis lb. .16½- —
unbleached, c.l., same basis lb. .14½- —
l.c.l., same basis lb. .15½- —
Lemon peel, bls lb. .18 - .20
Leucine, dextro-laevo, dms., works lb. 23.00 -35.00
Licorice extract, mass, cns lb. .40 - .43
powd., bbls lb. .55 - —
Root, bls lb. .08 - .09
5-lb bundles, cs lb. .40 - .45
powd., bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .05¼- .06½
Lime, agricultural, bgs., works ton 13.00 -13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass. ton 10.00 - —
Annville, Pa. ton 10.50 - —
Bellefonte, Pa. ton 10.50 - —
Buffalo, N. Y. ton 10.00 - —
Carey, Ohio ton 7.00 - —
Cedar Hollow, Pa. ton 10.50 - —
Farnams, Mass. ton 14.00 - —
Gibsonburg, Ohio ton 8.50 - —
Hannibal, Mo ton 7.50 - —
Keystone, Ala ton 9.75 - —
Knoxville, Tenn. ton 9.73 - —
Limedale, Ark ton 9.00 - —

Lime, chemical (quicklime) lump, pebble, bulk, Longview, Ala. ton 9.75 - —
Martinsburg, W. Va ton 10.00 - —
Menominee, Mich. ton 8.00 - —
Mitchell, Ind. ton 7.50 - —
Rockland, Maine ton 9.00 - —
Scioto, Ohio ton 7.50 - —
Sherwood, Tenn. ton 10.00 - —
Sherwood, Wis. ton 8.50 - —
Woodville, Ohio ton 9.50 - —
York, Pa ton 10.50 - —
Hydrated, paper bgs., Adams, Mass ton 11.50 - —
Annville, Pa ton 13.50 - —
Bellefonte, Pa ton 13.50 - —
Buffalo, N. Y. ton 13.50 - —
Carey, Ohio ton 9.00 - —
Cedar Hollow, Pa. ton 13.50 - —
Engle, W. Va. ton 13.00 - —
Farnams, Mass ton 14.00 - —
Gibsonburg, Ohio ton 9.50 - —
Hannibal, Mo ton 9.50 - —
Keystone, Ala ton 13.00 - —
Knoxville, Tenn. ton 12.25 - —
Limedale, Ark ton 10.50 - —
Longview, Ala ton 13.00 - —
Manistique, Mich ton 9.50 - —
Marblehead, Ohio ton 10.50 - —
Mitchell, Ind. ton 10.00 - —
Petoskey, Mich ton 10.00 - —
Port Island, Mich ton 9.00 - —
Rapid City, S. Dak. ton 12.00 - —
Rockland, Maine ton 9.00 - —
Scioto, Ohio ton 9.00 - —
Sherwood, Tenn. ton 13.00 - —
Sherwood, Wis. ton 10.00 - —
Springfield, Mo. ton 9.00 - —
Woodyville, Ohio ton 8.50 - —
York, Pa ton 13.50 - —

Lime, spray, paper bgs., Adams, Mass. ton 11.70 - —
Annville, Pa. ton 13.50 - —
Bellefonte, Pa. ton 13.50 - —
Carey, Ohio ton 11.00 - —
Engle, W. Va. ton 13.00 - —
Farnams, Mass. ton 14.00 - —
Gibsonburg, Ohio ton 10.00 - —
Marblehead, Ohio ton 10.00 - —
Rockland, Me. ton 10.00 - —
Scioto, Ohio ton 10.00 - —
Woodville, Ohio ton 10.00 - —
York, Pa. ton 13.50 - —
Lime salts (see Calcium)
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).
Limestone grd. ngs. works ton 3.50 4.00
Linalool, ex bois de rose lb. 5.40 - 5.90
ex lignaloe wood lb 6.50 7.10
Linalyl acetate, 90-92%, bots. lb 5.50 - 6.00
96-98%, bots. lb. 6.35 - 7.25
ex petitgrain bots lb 4.25 6.00
Lindane, 25%, cns., works lb. 3.00 - 3.03
dms., works lb 2.95 —
Linden flowers with leaves, bls. lb. .23 - .28
without leaves, bls lb. .22 - .28
Linseed meal, expeller, 34% bulk, Midwest mills ton 60.50 - —
extracted, 34%, same basis ton 60.50 - —
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld. lb. .16¾- —
l.c.l., same basis lb. .17¾- —
Lithium benzoate, dms lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald lb. 2.00 - 2.25
Carbonate, NF, bbls., kgs lb. 1.05 - 1.15
Chloride, cryst., dms lb. .93 - —

A Stream of OILS...

to meet your many needs

Producing the exact linseed oils Industry needs . . . and making those oils available in the amounts called for . . . that's the two-fold way National Lead has built its reputation as a leading producer and supplier of linseed oils.

A Leader in "Know-How"... A century of experience enables National Lead to produce, time after time, a uniformly reliable product for any specific purpose. With National Lead Linseed Oils, you get the precise combination of drying rate, acid number, color, viscosity and other properties you require.

A Leader in Production Facilities . . . A large, new linseed oil plant . . . one of the most modern in existence . . . employs the efficient solvent extraction process and provides for greatly increased production of top-grade raw oil.

Coupled with this great plant are the company's up-to-the-minute refineries, using the most advanced techniques to process raw oil into boiled, oxidized, and heat-bodied oils . . . varnish oils . . . grinding oils . . . and other special types.

So, whenever or wherever you need linseed oil, remember . . . National Lead has the makings of the oil you want, in the amount you need.

* * *

National Lead Company: New York 6; Buffalo 3; Chicago 8; Cincinnati 3; Cleveland 13; Pittsburgh 22; St. Louis 1; San Francisco 10; Boston 6 (National Lead Company of Mass.); Philadelphia 25 (John T. Lewis & Bros. Company).

NATIONAL LEAD COMPANY

One of the Oldest Names in **OILS**

Lithium Citrate—Methyl Chloride

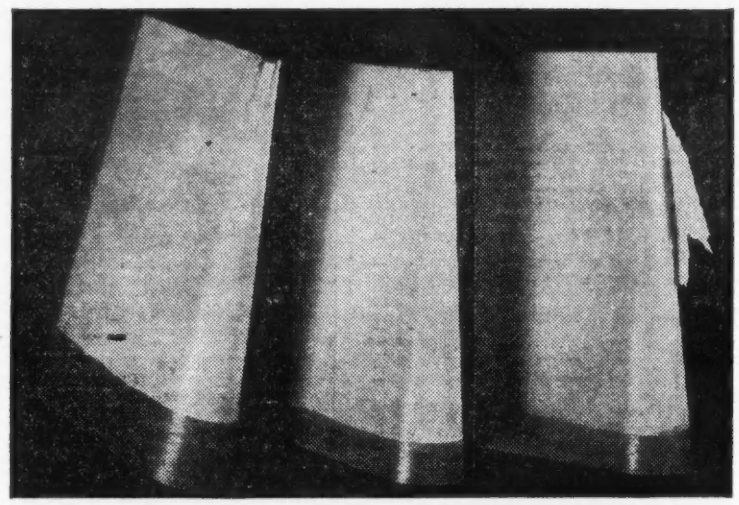
Lithium citrate, NF, bbls., dms., kgs lb. 1.05 - 1.40
Fluoride, bbls lb. 1.80 - 2.00
Hydride, dms., works lb. 14.00 - 18.50
Hydroxide, monohydrate, dms lb. .90 - 1.25
Salicylate, dms lb. 1.62 - 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .06½ - —
l.c.l., dlvd. lb. .07¼ - .07½
Titanated (high-strength), bgs., c.l., dlvd lb. .08½ - —
l.c.l., dlvd. lb. .09½ - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls lb. 70 - 75
Lobelia herb, bls lb. .55 - .56
leaves, NF lb. .90 - .95
Lobeline sulphate, bots., works oz. 34.00 - 38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½ - —
No. 2, bbls. l.c.l. lb. .36½ - —
Logwood extract, liquid, No. 1, bbls., l.c.l. lb. .18½ - —
No. 2, bbls., l.c.l. lb. 17½ - —
No. 3, bbls. l.c.l. lb. .17 - —
No. 4, bbls., l.c.l. lb. 16½ - —
solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs. l.c.l. lb. 31 - —
No. 3, bxs. l.c.l. lb. 28½ - —
No. 4, bxs. l.c.l. lb. 28 - —
No. 5, bxs. l.c.l. lb. 26½ - —
No. 6, bxs. l.c.l. lb. 44½ 46½
Lovage root, imported, bls. lb. .75 - .80
Lupulin tins lb. 1.95 2.00
Lycopodium, cs. lb. 1.35 - 1.50
Lysine hydrochloride, dextro-laevo fdlo. 145.00 - 149.00

M

Mace, Amboyna, bls. lb. No prices.
Banda, No. 1, bls., afloat lb. 1.78 - 1.79
Siauw, No. 1, bls., afloat lb. 1.50 - 1.55
West Indian, bls lb. 1.40 - 1.45
broken, bls lb. 1.35 - 1.40
Madder Dutch bgs lb .29 .39
Magnesia, calcined, tech., ctns., works lb. .32 - .34¾
synth., rubber grade, ctns., works lb. .31 - —
USP, light ctns lb .34 - —
heavy, bbls lb .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide jars lb .90 1.00
Carbonate, tech., bgs., c.l., frt. equald lb .09 - —
l.c.l., frt. alld lb. 10 - —
bbls., c.l., frt. equald lb 10¼ - —
l.c.l., frt. alld lb 11¼ - —
kgs., c.l., frt. equald lb 11½ - —
l.c.l., frt. alld lb 12½ - —
USP, bgs., c.l., frt. equald lb. 10¾ - —
l.c.l., frt. alld lb 11¾ - —
bbls., c.l., frt. equald lb. 11¼ - —
l.c.l., frt. alld lb 12¼ - —
kgs., c.l., frt. equald lb 12½ - —
l.c.l., frt. alld lb 13½ - —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald with N. Y. C. on all other destinations.
Chloride, anhyd., dms., works lb. 12¼ - —
flake, bbls., c.l., works ton. 45.00 —
l.c.l., works ton. 49.00 - 51.00
Gluconate, dms., cns lb 1.38 - 1.93
Glycerophosphate, dms., works lb 4.85 4.95
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .29 - .30
Hypophosphite, dms lb 1.60 —
Laurate, bbls lb. .46 - .47
Metal, 99.8% ingots, cs., works lb. .22¼ - —
sticks, cs., works, frt. alld. on c.l. basis lb. .39 - —
Oleate, fused, bbls lb. .31 - —
Oxide (see Magnesia calcined)
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb .09 .10
Stearate, ctns., c.l. lb. .37 - —
smaller lots lb. .38 - .39
Sulphate (see Epsom salt).
Trisilicate, USP, dms. 1,000-lb. lots lb. .43 - —
100-lb. lots lb. .50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif. ton. 67.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash. ton. 33.00 - —
Maleic anhydride, dms., c.l., dlvd., lb. .30 - —
l.c.l., dlvd. lb. .31 - —
Prices on maleic anhydride West of Rockies 1½c. higher.
Malva flowers, black, bls. lb 1.60 1.25
Blue, bls. lb .95 1.10
Leaves, bls. lb. .38 - .40
Mandrake root, bls. lb. .40 - .43
Manganese acetate, bbls. lb .32 - —
Arsenate, bgs lb 12 - .12½
Borate, tech., bbls lb .23 - —
Carbonate, bbls., works lb. .21 - —
Chloride, anhyd., dms. works lb. 20 - .22
Dioxide, African, battery, 84-87%, bgs., 100 tons, works ton. 78.00 —
smaller lots, works ton. 84.00 - 94.00
Gluconate, dms., cns lb 1.86 1.93
Glycerophosphate, NF, fib. dms lb. 4.15 - 4.60
Hydrate, bbls., works lb .34 —
Hypophosphite, NF, dms lb 2.00 - —
Linoleate, liquid, 4.35% Mn, dms. lb. .39¼ - —
solid, precip., 8.2% Mn, bbls., lb .41½ —
Metal, cs., dlvd. East lb. .30 - .32
Naphthenate, liquid, 6% Mn, dms. frt. alld. lb. 22¾ - .23¼
Oleate, precip., bbls lb .33½ —
Resinate, fused, 3½% Mn, dms. precip., dms lb .21½ —
Stearate, ctns., c.l. lb. .37 - —
smaller lots lb. .38 - .39
Sulphate, fertilizer grade, 65% bgs., c.l., dlvd., S. E. ton. 66.00 - —
l.c.l., dlvd., S. E. ton. 73.00 - —
feed grade, 80%, bgs., dlvd., S. E. lb. .05¼ - .07
75%, bgs., c.l., dlvd., S. E. ton. 76.00 - —
l.c.l., dlvd., S. E. ton. 83.00 - —
Tallate, 6%, dms. lb. .20¾ - —
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. No stocks.
So. American, 30-32% tannin, c.l., ex dock ton. 60.00 - 61.00
Manna, flake, large, cs lb 1.10 1.35
small, cs lb .85 1.00
Mannitol, com'l, dms., works lb 40 - .43
reagent, 50-lb. dms., works lb 85 - —
Marjoram, Argentine, bls. lb. .14 Nom.
Bohemian, bls. lb. .34 - .34½
Chilean, bls., shipment lb. .35 - .36
French, bls., afloat lb. .45 - .46
Peruvian, bls. lb. .38 - .39
Matico leaves, bls lb .25 - .33
Melamine, bgs., ton lots, works lb. .33 - —
500 lbs. or more, works lb. .33½ - —
less 500 lbs., works lb. .38½ - —
Menadione, USP, bots., gram .06½ —
Menthol, natural, USP, bots. lb. 14.30 - 14.60
synthetic, USP, racemic, cns. lb. 7.20 Nom.
Menthyl salicylate, tins lb. 4.00 - 4.25
Mercaptobenzo thiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .30 - —
less ton lots, same basis lb. .32 - —
Mercaptobenzothiazyldisulphide bgs., fib. dms., ton lots works, frt. alld lb. .38 - —
less ton lots, same basis lb. .40 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate)
Bisulphate, dms. lb 2.13 2.15
Chloride (see Calomel).
Cyanide, NF, crys., powd., fib. dms lb 3.27 - 3.32
Iodide, red, NF, dms lb 4.07 - —
yellow, NF, fib. dms lb 4.22 - —
Meta; (see Quicksilver).
Oxide, red, NF (see Red precipitate).
yellow, tech. (see Yellow mercury oxide)
USP, fib. dms. lb 2.44 2.46
Mesityl oxide, dms., c.l., dlvd lb. .13¼ - —
l.c.l., dlvd. lb. .14 - —
tanks, dlvd lb. .11½ - —
Metaldehyde, dms., works lb. .78 1.00
Metachloranilin, dms., works lb 75 —
Metacresol, 98%, dms., c.l., works lb. .65 - —
l.c.l., works lb. .66 - —
Metanitroanilin, dms., frt. alld. lb. .97 - —
Metaparatsopropylphenol, dms., c.l. lb .21 - —
l.c.l. lb .22 - —
tanks lb .20 - —
Metanitroparatoluidin, bbls. lb. 1.28 - 1.44
Metaphenylenediamine, kgs., frt. alld. lb. .84 - —
Metatoluidine, bbls., works, frt. alld. lb. .80 - —
Metatolylenediamine, kgs., frt. alld. lb. .80 - —
Methanol, natural, denaturing grade, dms., c.l., frt. alld. gal. .68 - —
l.c.l., frt. alld. gal. .79 - —
tanks, frt. alld. lb. .80 - —
Prices on natural methanol W. of Miss. 3c. higher.
synthetic, zone 1, dms. c.l., frt. alld gal. .38 - —
l.c.l., frt alld gal. .41 - .43
tanks, frt. alld gal. .26 - —
zone 2, dms., c.l., frt. alld gal. .43½ - .45
l.c.l., ex whse gal. .46½ - —
tanks, frt. alld gal. .29½ - .31
Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., frt. alld., 50-lb. or more lb. 4.55 - —
feed grade, 98%, same basis, lb. 3.00 - —
97%, same basis lb. 2.97 - —
Methoxychlor, 50% sol., dealers, dms., cs., works lb. .65 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .17 - —
l.c.l., same basis lb. .17½ - —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .17¼ - —
l.c.l., same basis lb. .17¾ - —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.
Methylacetoacetate, dms., c.l., dlvd. lb. .53 - —
l.c.l., dlvd. lb. .54 - —
tanks, dlvd. lb. .51½ - —
Methyl acetoacetate prices frt. alld. W., ½c. higher.
Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld. lb. .60 - —
l.c.l., same basis gal. 71 —
Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher.
Group B dms., incl., E. Miss., frt. alld., any quantity gal. .50 - —
synthetic, dms., c.l., works, frt. alld. E gal. .53 - —
frt. alld. W gal. .57 - —
l.c.l., works, frt. alld. E gal. .56½ - —
frt. alld. W gal. .60½ - —
tanks, works, frt. alld. E gal. .43½ - —
frt. alld. W gal. .47 —
Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.
Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload, works lb. .50½ - —
Alcohol (see Methanol).
Anthranilate, cns., 100 lbs. or more lb. 2.25 - 2.30
extra cns. lb. 4.00 - 4.40
Benzoate, cns lb. .55 - 1.20
Bromide, dealers, cns. lb. .69 - .71
cyls. lb. .60 .78
Chloride, indust., cyl., works lb. .18 - —
tanks, multi-unit, works lb. .13½ - —
single-unit works lb. .11 - —
refrigerator mfrs., cyls., dlvd lb. .39 - .48
other consumers or service men, cyls., dlvd lb. .49 - —

here's why "lead"

makes multi-pigment



Mandrel Test Demonstrates High Flexibility of "Lead" Plasticized Paint
Center: Typical "lead"-containing paint demonstrates good flexibility—bends without cracking. Left and Right: Too brittle and lacking in flexibility, these two paints show cracking and flaking.

it stabilizes . . .

"Lead" Stabilizes Paint—Retarding Its Decomposition

Without a reactive pigment, a house paint film would have a relatively short life in outdoor service. Why? Because as oxidation of the vehicle takes place, acidic compounds such as formic, hydroxy-acetic, propionic and related acids are formed. These liquefy or soften the film.

Active lead pigments in a paint neutralize these products of decomposition as the film ages and form stable insoluble lead salts. In this way, the film is stabilized and its durability greatly improved. This is one reason why "lead" is such an essential ingredient in mixed pigment house paints.

it plasticizes . .

"Lead" Plasticizes Paint—Increasing Its Flexibility

In reality a paint film is a plastic, although it is not generally referred to as such. And, like many plastics, it would become hard, brittle and inflexible if it did not contain a plasticizer. Such a paint would crack easily under normal stresses, not only spoiling its appearance but also greatly reducing its protective value.

Lead soaps, formed by the reaction of a lead pigment with the vehicle, act as plasticizers. Their effect is supplemented by other soaps which are usually present in the film. This is another reason why "lead" is so necessary in mixed pigment house paints.

For detailed information on the most effective use of "Lead" in your paints

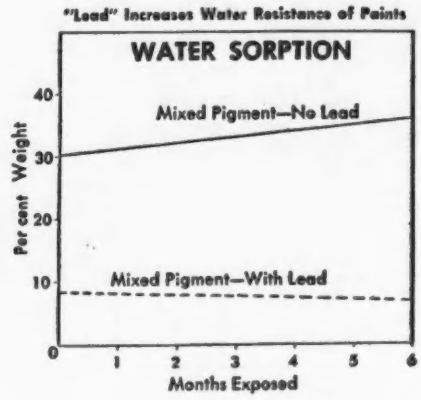
Methyl cinnamate, cns. lb. 1.43 - 1.73
Cyclohexanol, dms., c.l., works lb. .28½- —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Formate, refd., dms lb. .33 - .40
tech., non-ret. dms., any quantity, works lb. .08 - —
tanks, works lb. .07 - —
Iodide, bots., works lb. 3.65 - 4.78
chys., works lb. 2.80 - 3.00
Lactate, dms., t.c.l., works lb. .35 - —
Methacrylate, dms., c.l. and truckload, works lb. .44½- —
less than truckload, works lb. .45 - —
Parahydroxybenzoate, USP. bots. lb. 2.10 - 2.20
fib. dms. lb. 1.90 - 2.00
Roseanilin chloride, USP. bot. lb. 5.17 - 5.27
Salicylate, USP, dms., 500 lbs. lb. .45 - —
cans, 50 lbs. lb. .50 - —
Testosterone, USP. 100 gms. gm. 3.50 - —
Methylheptin carbonate, bots lb. 35.00 -58.00
Methylal, refined 95%, dms., c.l., works lb. .11 - —
l.c.l., works lb. .12 - —
tanks, works lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .14¼- —
l.c.l., dlvd. lb. .15¼- —
tanks, dlvd. lb. .12½- —
Ketone, dms., works lb. 1.03 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., works, lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs lb. .73 - .87
Methylcellulose, standard vis., (15-1,500 cps.), fib. ctns., c.l., frt. alld. lb. .61 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs lb. .68 - .70
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 2.87 - —
smaller lots, kgs. same basis lb. 3.02 - 3.22
Chloride indust. dms., c.l., dlvd E lb. .12 - —
t.c.l., dlvd E lb. .13½- —
tanks, dlvd E lb. .11½- —
Methylethyl ketone, dms., c.l., dlvd. lb. .10¾- .11¼
l.c.l., dlvd. lb. .11½- .12½
tanks, dlvd. lb. .09 - .10
Methylionone, A, cns lb 6.55 6.60
D, cns lb 7.50 9.55
prime, cns lb 4.55 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd. lb. .13¾- —
l.c.l., dlvd. lb. .14½- —
tanks, dlvd. lb. .12 - —
Methylnaphthyl ketone, cns lb 3.00 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexylieneglycol)
Methylphenylpyrazolone, 250-lb. dms., dlvd lb. 1.51 - —
less than 250 lbs., dms., same basis lb. 1.71 - —
Methylthionine chloride (see Methylene blue).
Mica dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03⅞- —
roofing, 20 to 80 mesh, works lb. .03⅜- —
wet-grd., biotite, bgs. c.l. works, frt. alld., E lb. .05¾- —
t.c.l., ex whse., or frt alld. E lb. .06½- —
extra fine, bgs., c.l. works, frt. alld., E lb. .05¾- —
t.c.l., ex whse. or frt. alld. E lb. .06½- —
Mica, wet-grd., paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼- —
t.c.l., ex whse. or frt. alld. E lb. .08 - —
Mica, wet grd., rubber, bgs., c.l. works, frt. alld. E lb. .07 - —
t.c.l., ex whse. or frt. alld. E lb. .07¾- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼- —
t.c.l., ex whse or frt. alld. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07½- —
t.c.l., ex whse. or frt. alld. E lb. .08 - —
Mica, wet-grd., W. of Miss. R., W. of Rockies, 1c. higher ½c. higher.
Milk powder skimmed roller, bbls., c.l lb. .10½- .10¾
spray, bbls. c.l lb. .12¼- .12¾
Whole, roller bbls., c.l. lb. .28 - .33
spray, bbls., c.l. lb. .28½- .35½
Sugar, crude, bgs., c.l., works lb. .16 - —
edible, bbls., works, 30,000-lb. lots lb. .22 - —
2,000-lb. lots lb. .22¾- —
200-1,800-lb. lots lb. .23¼- —
USP, bbls., works, 30,000-lb. lots lb. .26 - —
2,000-lb. lots lb. .26¾- —
200-1,800-lb. lots lb. .27¼- —
Molasses, blackstrap, tanks gal. .15 Nom.
New Orleans, tanks gal. .15 Nom.
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum mineral spirits).
Molybdenum metal 99% Mo., powd., kgs lb 2.60 - 3.00
Trioxide, pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., frt. alld., as dlvd lb. .08½- .09½
l.c.l., same basis lb. .09½- .10½
tanks, same basis lb. .07 - .08
Monochlorobenzene prices in the West, 1½c. higher.
Monoethanolamine dms. c.l., frt. alld. E lb. .27 - .28½
l.c.l., same basis lb. .28 - .29½
tanks, same basis lb. .25½- .26½
Monoethylalphanaphthylamine, dms., works lb. .88 - —
Monoethylamine dms., c.l., frt. alld. E., basis 100% lb. .21¾- —
l.c.l., same basis lb. .22¾- —
tanks, same basis lb. .20 - —
Monoethylorthotoluidine, bbls. lb. .80 - —
Monoisopropylamine, dms., c.l., frt. alld. E lb. .24¼- .25¼
l.c.l., same basis lb. .25¼- .26¼
tanks, same basis lb. .22½- .23½
Monomethylamine, 25%-40% dms., c.l. works basis 100% lb. .35 - —
l.c.l., same basis lb. .35½- .38
tanks, same basis lb. .31 - —
Monononylnaphthalene, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic)
Monosodium glutamate (see Sodium glutamate, monobasic)
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb 49 - —
Morphine, cns. oz. 12.40 -12.60
Acetate, cns. oz 9.85 9.90
Hydrobromide, cns. oz 9.80 9.90
Hydrochloride, NF, cns oz 9.90 10.00
Sulphate, USP, cns oz 9.90 -10.00
Morpholine, dms, c.l., works lb. .60½- —
l.c.l., works lb. 61 - —
tanks, works lb. .59 - —
Mountain ash berries, bgs lb 65 - .75
Mullein flowers, cs lb 1.15 - 1.20
Leaves, bls. lb. .21 - .23
Musk, natural, Tonquin, grains, bots. oz. 25.00 -30.00
synthetic—Ambrette, 100 lbs., fib. dms lb. 5.40 - —
25 lbs., cns lb. 5.50 - —
5 lbs., cns lb. 5.65 - —
Ketone, 100 lbs., fib. dms lb. 4.95 - —
25 lbs., cns lb. 5.05 - —
5 lbs., cns lb. 5.20 - —
Xylol, 100 lbs., fib. dms lb. 1.40 - —
25 lbs., cns lb. 1.45 - —
5 lbs., cns lb. 1.55 - —
Musk root, bls lb No prices.
Mustard seed, Calif., brown, bgs., f.o.b. source lb. .0935- .0950
Dutch yellow, bgs., futures lb. .14 - .14½
English, yellow, bgs lb. .13 - .13½
Montana, brown, Sept.-Oct., bgs., source lb. .03 - .03½
Oriental, Sept.-Oct., bgs., source lb. .03 - .03¼
Yellow, Sept. Oct., bgs. source lb. .06½- .09
Washington, yellow source, bgs. lb .11 - .11½
Myrobalans, J1, assorted, ex dock ton 52.00 - —
crushed, ex dock ton 76.50 - —
J2, ex dock ton 42.00 - —

N

Naphtha, painters (see Petroleum naphtha V M & P.).
Solvent (see S).
Naphthalene, dom., crude, 78°, bgs., bbls., works, c.l., frt. equald lb. .07 - —
tanks same basis lb. .0425- —
bbls., c.l., works, frt. equald. lb. .0535- —
l.c.l., same basis lb. .0560- —
dms., c.l., same basis lb. .0650- —
l.c.l., same basis lb. .07 - —
tanks, same basis lb. .0473- —
refined, industrial, bbls., c.l., frt equald lb. .09 - —
bgs., c.l., same basis lb. .08½- —
tanks same basis lb. .08 - —
balls, flakes wholesalers, jobbers, bbls. c.l., same basis lb. .11 - —
cs. 50 lbs., c.l. same basis lb. .11¼- —
1-lb pkgs. c.l. same basis lb. .14 - —
imported, crude, 78°, 100-ton lots lb. .03¾- .04
refined, 30,000-lb. lots lb. .09¼- —
smaller lots lb. .09¼- .10½
Neocinchophen USP dms., frt. adjusted lb 7.00 - 7.35
Nephelin syenite, glass, 24 mesh, bulk, Rochester, N Y ton 14.23 - —
potters 200 mesh bulk, Rochester N Y ton 18.25 —
Nephelin syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns. lb. 2.05 - 2.25
Niacin (see Acid nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd. lb. .52½- .53½
Carbonate, bbls. dlvd lb 57¼ .57⅝
Chloride, bbls., dlvd. lb. .27 - .27½
Cyanide, bots., dms lb. 1.75 2.00
Formate, bbls., ton lots frt. alld. lb. .49¾- .50¼
Metal, electro cathodes cs. lb. .48 - —
Nitrate, bbls., works lb. .26½- .27½
Oxide, black, bbls lb. .42 - —
Sulphate, bgs., c.l., dlvd lb. .20 - —
l.c.l., dlvd lb. .20½- —
Nicotinamide, USP, dms, frt adjusted kilo 11.00 -11.30
Hydrochloride, dms, frt adjusted kilo 10.50 -10.80
Nicotine sulphate 40% 50-lb. dms., dealers frt. alld. over 70 lbs. dm 49.40 - —
tins 10 lbs. dealers frt alld on cases of 6 tin 10.85 - —
Nikethamide, bots., chys lb. 5.00 - 5.75
Nitrobenzene, dbl. dist., dms., c.l., frt. alld lb. .10 - —
l.c.l., frt. alld. lb. .11 - —
tanks, frt. alld. lb. .09 - —
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .28 - —
l.c.l., same basis lb. .29 - .31
18-25 cps., c.l. lb. .30 - —
l.c.l., same basis lb. .31 - .33
250-400, 600-1,000 secs. c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - .35

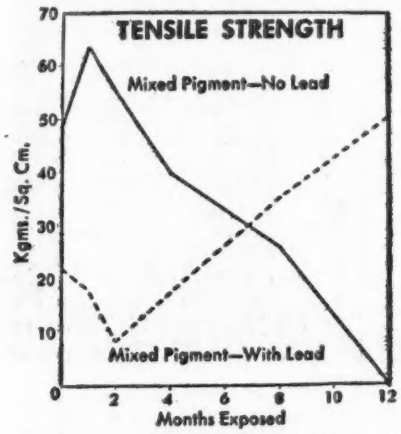
house paint last longer

"Lead" Increases Water Resistance of Paints

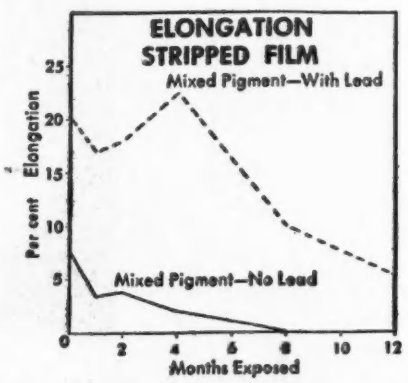


Water sorption graph shows how "lead" decreases the water pick-up of mixed pigment paints.

"Lead" Increases Elastic Strength of Film As It Ages



Strength-age graph shows how mixed pigment paint containing "lead" increases in tensile strength as it ages.



Elongation graph shows how the flexibility of a paint film is improved by the incorporation of "lead."

it strengthens..

"Lead" Increases the Elastic Strength of a Paint Film

Lead pigments reinforce a paint film mechanically as a result of chemical reactions, increasing both the toughness and distensibility of the film as it ages.

Lead soaps are made up of flexible crystals with a long spiney structure. Under a microscope, they look like cockleburs, with the spines of adjacent crystals intermeshed. This intertwining or meshing forms a felted mat which mechanically reinforces the film and increases its elastic strength. This is yet another reason why lead pigment is such an important factor in house paints.

it resists water

"Lead" Increases the Water Resistance of a Paint Film

Water attempts to dissolve and emulsify portions of a paint film causing it to swell and soften. This tends to break its cohesive bond and is probably the greatest single cause of loss of adhesion. For example, on films of lead-pigmented paints, water appears as distinct droplets whereas non-"lead" paints are completely wetted.

Paints containing lead pigments, are highly resistant to water... they absorb only a fraction as much water as non-"lead" paints. "Lead" supplies this essential resistance to water and its destructive action... another reason why "lead" is so important in exterior paints.

write to *Lead Industries Association, 420 Lexington Avenue, New York 17, N. Y.*

Nitrocellulose, Spirit Soluble—Oil, Olive

Nitrocellulose, spirit soluble, 30-35 cps., ¼-. ½ sec., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .36 - .38
5-6, 40-60 secs., c.l., same basis. lb. .34 - —
l.c.l., same basis.....lb. .35 - .37
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.
Nitroethane, dms., dlvd., E. of Rockies..lb. .25 - —
Nitrogen solution, tanks, work., N. ton.115.00 - —
Nitrogenous process tankage, bulk, works, ammo., ship't..unit-ton. 3.90 - 4.00
Sewage sludge, bulk, works, unit ton. 3.25 + .40
Nitromethane, dms., l.c.l., dlvd., E. of Rockies..lb. .25 - —
Nitropropane, 1, dms., dlvd., E. of Rockies..lb. .23¼- —
2, dms., dlvd., E. of Rockies...lb. .25 - —
Nonylphenol, dms., c.l., works..lb. .28½- —
l.c.l., works.....lb. .29½- —
tanks, works.....lb. .27½- —
Nutgalls, Aleppo, bgs .....lb. .38 - —
Chinese, bgs. .....lb. .32 - —
Istrian, bgs .....lb. .31 - —
Nutmeg, East Indian, broken, limed, bgs..lb. .62 - .65
whole, shrivels, bgs.....lb. .62 - .65
110's, cs., shipment.....lb. .62 - .63
West Indian, bgs.....lb. .45 - .46
futures .....lb. .48 - .48½
Nux vomica, bls. .....lb. .10 - .12
powdered, bbls., bxs.....lb. .13 - .14

O

Oakbark extract, 25% tannin, bbls., c.l., works lb. No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l. gal. .19 - —
l.c.l. .....gal. .21 - .60
tanks .....gal. .15½- —
10°C., b.r. Bayonne, N.J., tanks gal. .17 - —
Octanol, normal, tech., dms., c.l., dlvd. lb. .34½- —
l.c.l., dlvd.....lb. .36½- —
tanks, dlvd.....lb. .32 - —
Octyl methacrylate, normal, dms., less than truckload, works. lb. .83 - —
Oil, abies siberica, cns.....lb. 3.25 - 3.60
Almond, artificial, bitter, (see Benzaldehyde)
natural, bitter, F.P.A., bots. lb 3.25 - 5.00
NF, bots .....lb. 3.00 - 3.75
sweet, dms., cns.....lb. .50 - .85
Allspice (see Oil, pimento).
Amyris, dms.....lb. 1.65 - 1.70
Angelica root, bots.....lb.125.00 -155.00
seed, bots.....lb.95.00 -130.00
Anilin (see Al).
Anise, USP, Chinese, dms.....lb. 1.35 - 1.65
Apricot kernels, USP, dms...lb. .42½- .58
Avocado, cns., dms .....lb. 1.00 - 1.10
Babassu, crude, tankcars.....lb. .19½- —
Bay, NF, Puerto Rican, 50-55%, cns..lb. 1.20 - 1.50
55-60%, cns.....lb. 1.35 - 1.60
West Indian, 50-55%, cns., dms lb. 1.07 - 1.55
Bergamot, artif., cns.....lb. 2.50 - 3.75
natural, NF, Italian, cns.....lb. 5.75 - 6.50
Oil, birchtar, crude, cns.....lb. 1.10 - —
rectified, NF, cns.....lb. 4.35 - —
Bois de rose, Brazil.....lb. 3.50 - 3.90
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cajeput, tech., dms.....lb. 1.85 - 1.95
redistilled, USP, cns.....lb. 2.35 - 4.50
Calamus, cns .....lb.20.00 -28.00
Camphor, sassafrassy, dms.....lb. .24 - .60
white, dms.....lb. .20 - .60
Cananga, native, cns.....lb. 4.25 - 4.80
rectified, cns.....lb. 5.10 - 6.00
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns.....lb. 3.70 - 4.10
Cardamom, NF, bots.....lb.50.00 -65.00
Cassia, USP, cns.....lb. 3.50 - 4.75
Castor, blown, dms., c.l.....lb. .2425- —
dms., l.c.l. .....lb. .2470- —
dehydrated, bodied, dms., c.l lb. .26 - —
l.c.l. .....lb. .2675- —
tanks .....lb. .2475- —
unbodied, dms., c.l.....lb. .2500- —
l.c.l. .....lb. .2550- —
tanks .....lb. .2375- —
hydrogenated, dms., l.c.l....lb. .2925- —
No. 3, tech., dms., c.l.....lb. .22 - —
l.c.l. .....lb. .2250- —
tanks .....lb. .2075- —
sulphonated, 50% (48% fat), dms. lb. .13½- .14
75% (60-62% fat), dms .....lb. .18½- .19
No. 1, Brazilian, tanks.....lb. .18¾ Nom.
No. 1, standard, dms., c.l.....lb. .2225- —
l.c.l. .....lb. .2275- —
tanks .....lb. .21 - —
refined and deodorized, dms., c.l..lb. .2350- —
l.c.l. .....lb. .2425- —
Cedarleaf, dms.....lb. 2.20 - 2.50
Cedarwood, cns.....lb. .35 - .50
dms. .....lb. .30 - .40
Celeryseed, bots.....lb.14.00 -17.50
Chamomile, blue, Hungarian, bots. lb.250.00 -280.00
Oil, chaulmoogra, NF, cns., dms..lb. .55 - .70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots.....lb.25.00 -60.00
Leaf, Ceylon .....lb. 1.35 - 1.50
Citronella, Ceylon, cns.....lb. 1.30 - 1.85
Java, true, cns.....lb. 1.80 - 2.65
Java type, cns.....lb. 1.50 - 2.00
Clove, USP, from buds, cns., dms. lb. 1.80 - 2.35
Coconut, crude, tanks, Atlantic ports..lb. .18 - —
Pac. Coast .....lb. .17½- —
refined, Cochin type, tax incl., dms., l.c.l., lb. .24½- .25
deodorized, tax incl., dms., l.c.l..lb. .26½- .27
Cod, Newfoundland, dms.....lb. .10 Nom.
Codliver, USP, dms.....gal. 1.55 - 1.65
Coriander, USP, bots.....lb.21.00 - 26.50
Corn, crude, tanks, works.....lb. .18½- —
foots, acid, 95%, tanks, dlvd. E lb. .07¾- —
raw, 50%, tanks, dlvd., E lb. .03 - —
refined, dms., l.c.l., New York lb. .25¼ Nom.
tanks, same basis.....lb. .23½- —
Costus, bots.....oz.21.00 - —
Cottonseed, crude, tanks, South-east and Valley lb. .19 - —
foots, acid 95%, tanks, dlvd. E lb. .06¼- —
raw, 50%, tanks, dlvd. E lb. .03 - —
refined, dms., l.c.l.....lb. .25¼- —
tankcars .....lb. .23½ Nom.
Creosote (see Crotonic, coaltar).
Croton, cns .....lb. 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns.....lb. 6.00 - 7.50
Cumin, bots.....lb. 4.50 - —
Cypress, bots.....lb. No stocks.
Degras (see D).
Dillseed, India, bots.....lb. 6.25 - 7.75
Dillweed, domestic, bots., dms..lb. 4.75 - 6.00
Dip (see D).
Erigeron, cns. .....lb. 5.75 - 6.00
Eucalyptus, rectified, 80-85%, cns. lb. .80 - 1.25
70-75%, cns.....lb. .65 - .88
Fennel, USP, cns.....lb. 2.30 - 3.25
Fir, Canada, cns.....lb. 1.85 - 2.25
Fishliver, crude, for feeds for centrating, 6,000 to 12,000 A units, dms .....
1,000,000 units. .09 - —
15,000 to 20,000 A units, dms. 1,000,000 units. .09½- —
25,000 to 35,000 A units, dms. 1,000,000 units. .10 - —
40,000 to 55,000 A units, dms. 1,000,000 units. .10½- —
Market prices on crude fish-liver oil dependent upon conversion factor
prime, natural, or concentrate, 100,000 A units, dms .
1,000,000 units. .15 - —
200,000 A units, dms .....
1,000,000 units. .16 - —
300,000 A units, dms .....
1,000,000 units. .16 - —
400,000 A units, dms .....
1,000,000 units. .17 - —
500,000 A units, dms .....
1,000,000 units. .17 - —
700,000 A units, dms .....
1,000,000 units. .17 - —
Prices above are based on the USP XIII method of conversion E x 1894.
100,000 A units, dms .....
1,000,000 units. .16 - —
200,000 A units, dms .....
1,000,000 units. .17 - —
300,000 A units, dms .....
1,000,000 units. .17 - —
400,000 A units, dms .....
1,000,000 units. .18 - —
500,000 A units, dms .....
1,000,000 units. .18 - —
700,000 A units, dms .....
1,000,000 units. .18 - —
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots.....oz. 7.25 - 8.00
Gautheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.24.50 -32.00
Bourbon, cns .....lb.28.50 -35.00
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.22.00 -24.00
Grapefruit, dist., bots.....lb. .75 - 1.10
Grease, No. 1, dms.....lb. .14½- .14¾
extra, Winter, strained, dms lb. .15¾- .16¼
prime, burning, dms.....lb. .16¾- .17¼
Guaiacwood, cns.....lb. 1.65 - 1.90
Hemlock, cns.....lb. 2.00 - 2.10
Herring, crude, tanks, Pac. coast. lb. No prices.
Juniper berry, NF VIII, bots .
lb. 2.50 - 3.50
twice rectified .....lb. 3.50 - 7.00
Tar, USP (see Juniper tar).
Wood, tech., cns.....lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, bots. .....lb. 9.75 -12.50
Lavandin, cns.....lb. 2.50 - 2.75
Lavender flower, French, 30-32% ester, cns..lb. 2.50 - 3.85
38-42% ester, cns.....lb. 3.85 - 5.65
40-42% ester, cns.....lb. 4.25 - 6.25
Spike, Spanish, cns.....lb. 1.20 - 1.55
Lemon, USP, Calif., cns., dms..lb. 3.50 - 4.00
Messina .....lb. 3.25 - 6.50
terpeneless, bots. .....lb.32.00 -65.00
Lemongrass, cns., dms.....lb. 2.40 - 2.80
Lignaloe, Brazilian (see Oil, bois de rose)
wood, Mexican, cns.....lb. 3.50 - 3.75
Lime, distilled, Mexican, cns...lb. 6.00 - 7.00
West Indian, cns.....lb. 6.25 - 7.25
expressed, West Indian, cns..lb. 7.25 -13.75
terpeneless, bot .....lb.45.00 -65.00
Linseed, raw, dms., c.l., Zone 3. lb. .1900- —
l.c.l. .....lb. .1960- .2000
tankcars .....lb. .1780- —
tankwagon .....lb. .1810- —
Boiled linseed oil .007 higher than raw.
Mace, dist., cns., dms.....lb. 3.25 - 4.75
Mandarin, Floridian, dms.....lb. 1.60 - 1.75
Italian, cns .....lb. 5.50 - 8.50
Menhaden, crude, tanks, Balto lb. .10¼ Nom.
refined, alkali, dms.....lb. .1630- —
kettle-bodied, dms.....lb. .1730- —
light-pressed, dms.....lb. .1530- —
tanks .....lb. .1350- —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard, seed, expressed, dms..lb. .22½- .23½
synthetic, cns., dms .....lb 1.40 1.70
Neatsfoot, 15°, dms.....lb. .32 - —
20°, dms. .....lb. .30 - —
30°, dms. .....lb. .26 - —
Neroli, NF, French, bots.....oz.125.00 -195.00
Haitian, bots.....lb.85.00 -90.00
Niaouli, cns. .....lb. 1.95 - 3.00
Nutmeg, USP, dist., East Indian, cns., dms..lb. 3.40 - 4.25
West Indian, cns., dms..lb. 3.30 - 3.60
Ocotea cymbarum, dms.....lb. .68 - .90
Oiticica, liquid, drums.....lb. .21½- .22
tankcars .....lb. .20½- —
Oleo, extra, dms.....lb. .18½ Nom.
Olibanum, bots .....lb. 5.50 - 7.65
extra fine, bots.....lb. 8.00 - —
Olive, commercial, dms .....gal. No stocks.
edible, dms., duty paid.....gal. 2.90 - 3.00
foots, dms. .....lb. .14½- .15

Flavor is the thing that makes your product stand out from others. And Exchange Oil of Orange *has* the flavor...that distinctive and preferred taste unique to oranges grown in the sunny, sheltered valleys of California.

Try Exchange Oil of Orange for yourself. Give it all your tests for *quality, uniformity* and *strength.* You'll like it...and you'll buy it!

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CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:
The Exchange Orange Products Co., Ontario, Calif.

Oil, orange, sweet, dist., cns	lb.	.40	- .60
expressed, USP, Brazilian, cns., dms	lb.	.95	- 1.25
Calif., cns	lb.	1.25	- 1.75
Florida, cns., dms	lb.	.75	- 1.00
Messina, coppers	lb	2.90	- 5.50
West Indian, cns	lb.	2.50	- 3.15
sesquiterpeneless, bots	lb.	55.00	-105.00
Origanum, Spanish, cs	lb.	2.30	- 2.75
Palm, Congo, dms	lb.	.15¾-	—
tankcars	lb.	No stocks.	
Palmarosa, cns	lb.	7.50	-10.50
Palmkernel, crude, bulk, c.i.f. NY	lb.	No prices.	
Paraffin, pale, 100-110 vis. at 100° F. tanks, East Coast refinery	gal	11½-	—
Patchouli, dms	lb.	22.00	-26.00
Peach kernel, USP (see Oil, apricot kernel)			
Peanut, crude tanks, Southeast	lb.	.20½-	.21
refined, l.c.l	lb.	.26	- .27
tanks, New York	lb.	.25	Nom.
Pennyroyal, USP, dom., cns	lb	No stocks.	
imported, cns	lb.	5.15	- 5.75
Peppermint, natural, dms	lb.	6.00	- 6.70
redist., USP, dms	lb.	6.35	- 7.10
Persic, USP (see Oil, apricot kernel)			
Perilla, crude, dms	lb	No stocks.	
Petitgrain, Paraguay, cns	lb.	2.15	- 2.55
Pimento berry, NF, dms	lb.	4.00	- 5.75
leaf, cns	lb.	1.50	- 1.70
Pine, dest.-dist., dms, inc., l.c.l., works, South gal.		.72	- —
ex whse., N.Y.C	lb.	.85	- —
steam-dist., dms, ex whse., non-ret. dms., incl. l.c.l., ex whse., N.Y.C	lb.	.107	- —
Pineneedle, Siberian (See Oil, abies siberica).			
Pinus petroleum, dms, c.l., dlvd.	lb.	.11	- —
l.c.l., same basis	lb.	.12	- —
tanks, same basis	lb.	.10	- —
Rapeseed, tankcars	lb.	.19	Nom.
Red, saponified, dms	lb.	.17¾-	.19
tanks	lb.	.16¼-	—
single dist., dms	lb.	.18½-	.19¾
tanks	lb.	.17	- —
double dist., dms	lb.	.21	- .22¼
tanks	lb.	.19½-	—
Rice bran, clarif., dms	lb.	No stocks.	
Rose, natural Bulgarian, bots	oz.	26.00	-60.00
Rosemary, Spanish tech., cns., dms	lb.	.80	- 1.50
USP, cns., dms	lb.	.80	- 1.30
Rue, bots	lb	3.00	- 3.25
Saffiower, dms., l.c.l	lb.	.1825-	—
tanks	lb	.1550	Nom.
Sage, clary, bots	lb.	12.25	-19.00
Dalmatian, cns	lb.	8.00	- 9.75
Spanish, cns	lb.	.95	2.00
Sandalwood, NF, cns	lb.	12.00	-12.50
Sardine crude tanks Pac. coast	lb.	.10	- .10¼
refined, alkali, dms	lb.	.1630-	—
kettle-bodied, dms	lb.	.1730-	—
light-pressed, dms	lb.	.1530-	—
tanks	lb.	.1350-	—
Sassafras, artificial	lb.	.52	.78
natural, Brazilian (see Oil ocotea cymbarum).			
domestic, USP, cns., dms	lb.	1.95	- 2.10
Savin, cns	lb	2.75	3.00
Savory, cns	lb	8.00	—
Seal, 2% acid duty extra, dms	lb.	No stocks.	
Sesame, ref., dms., l.c.l.	lb.	.31	—
Shingle stain bbls. c.l., works,	gal.	.27	- —
l.c.l., works	gal.	.30	- —
tanks, works	gal	19	—
Snakeroot, Canada, cns	lb.	19.25	-32.50
Soybean, crude, tanks, mills	lb.	.16¼-	—
foots, acid, 95%, tanks, dlvd. E	lb.	.08¼-	—
raw, 50%, tanks, dlvd. E	lb.	.03½-	—
refined, alkali, dms., c.l.	lb.	.1925-	—
l.c.l.	lb.	.1985-	.2035
tanks	lb.	.1805-	—
clarified, dms., c.l.	lb.	.1815-	—
l.c.l.	lb.	.1875-	.1925
tanks	lb.	.1705-	—
edible, dms., l.c.l.	lb.	.21	- —
tanks	lb.	.1890-	—
Spearmint, USP, dms	lb.	3.75	- 4.50
Sperm, bleached, winter, 45°, dms	lb.	.1520-	.1570
tankcars	lb.	.1420-	—
natural, winter, 45°, dms	lb.	.14	- .1470
tankcars	lb.	.13	- —
Spruce, cns., dms	lb.	2.00	- 2.10
Sunflower-seed, imp., refined, tanks	lb	No prices.	
semi-refined, tanks	lb	No prices.	
Sweet birch, USP, Northern, cns.	lb.	4.75	- 8.00
Southern, cns	lb.	2.05	- 3.75
Tall, crude, tanks, works	ton.	40.00	- —
refined, dms., c.l., works	lb	.06	- —
l.c.l., works	lb.	.06¼-	—
tanks, works	lb.	.05	- —
Tallow, acidless, dms	lb.	.15	- .15½
Tansy, dms	lb.	7.75	- 9.00
Tar, pine, coml, dms., incl., c.l., works, South	lb.	.4875-	—
l.c.l., works, South	lb.	.5110-	—
whse., N.Y.C.	lb.	.6550-	—
tanks, works, South	lb.	.3875-	—
rectified NF, l.c.l., dms., incl., works, South	gal.	.60	- —
Tar acid (see P).			
Teaseed, dms.	lb.	No stocks.	
Theobroma (see Cocoa butter)			
Thyme, NF, red, cns., dms	lb.	1.65	- 2.45
white, cns	lb.	1.85	- 2.85
technical, white, cns	lb.	.40	5.00
Tung, dom., tanks, mills	lb.	.24½	Nom.
imported, dms., c.l	lb.	.26½-	—
l.c.l.	lb.	.26¾-	.27
tanks	lb.	.25½-	—
Turkey red (see Oil, castor, sulphonated)			
Turpentine, NF, cns., dms	lb.	.21	- .35
Vetiver, Bourbon, cns	lb.	23.00	-28.00
Haitian, cns	lb.	17.85	-20.00
Java, cns	lb.	22.00	-26.00
Whale, ref., natural, dms	lb.	No stocks.	
Winter-bleached dms	lb	No stocks.	
Wheat germ, 5-gal dms	gal.	10.00	-13.00
White mineral, tech., 50-65 vis., dms., c.l., N. Y.	gal.	.48½-	.51
l.c.l., same basis	gal.	.54½-	.60½
65-75 vis., dms., same basis.	gal.	.49½-	.52
l.c.l., same basis	gal.	.55½-	.61½
USP, 80-90 vis., dms., c.l., same basis	gal.	.50½-	.53
125-135 vis., dms., c.l., same basis	gal.	.58½-	.61
l.c.l., same basis	gal.	.64½-	.70½
145-155 vis., dms., c.l., same basis	gal.	.65½-	.67
l.c.l., same basis	gal.	.71½-	.76½
175-185 vis., dms., c.l., same basis	gal.	.68½-	.71½
l.c.l., same basis	gal.	.74½-	.81
200-210 vis., dms., c.l., same basis	gal.	.71½-	.73½
l.c.l., same basis	gal.	.77½-	.83
335-345 vis., dms., c.l., same basis	gal.	.76	- .78½
l.c.l., same basis	gal.	.82	- .87
Wintergreen, USP, nat., Northern, cns	lb.	7.15	-18.00
Southern, cns	lb.	3.60	-19.50
synthetic (see Methyl salicylate).			
Wood (see Oil, tung)			
Wormseed, NF, cns	lb	5.10	- 5.75
Wormwood, cns	lb.	6.50	- 7.25
Ylang-ylang, Bourbon, bots	lb.	12.00	-16.00
extra, bots	lb.	20.00	-21.00
Madagascar, bots	lb.	12.25	-12.50

Olein, crude (see Oil, red), white, low titre, dms	lb.	.21	- .22¼
tankcars	lb.	.19½-	—
Oleostearin, bbls.	lb.	.14	Nom.
Olivine, aggregate, c.l., mines	ton.	7.00	9.50
crushed, 8 mesh bulk c.l. works.	ton.	10.00	—
paper bgs., c.l., works	ton.	12.00	- —
Opium, USP, cns.	lb.	19.20	-19.45
gran., USP, cns.	lb.	21.65	-21 90
powd. USP cns.	lb.	21.65	-21.90
Orange cadmium lithopone bbls. frt. alld E of Rockies	lb.	1.20	- —
Chrome, CP bbls., dlvd N of Tenn and N. C., E of Miss. R., includ Davenport Tenn. and N C. E of Minneapolis, Rock Island St Louis St. Paul	lb.	.25	- .29

Chrome orange prices are ½c. higher, dlvd Ala., Fla., Ga., La (Shreveport); 1¼c Miss. N C., S. C. Tenn. Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex.; 2c Cedar Rapids Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast, for Denver Pueblo, Salt Lake City Wichita prices are equalized with Chicago

Chrome dinitroanilin toner	lb.	1.15	—
Mineral, American bbls., l.c.l., ship't point, frt. alld	lb.	.2110-	—
Molybdate	lb.	.40	- .42
Persian, bbls	lb	30	45
Orange flowers, pls	lb	40	45
Orange peel, bitter, Haitian, bls	lb	13	.15
Sweet, bls	lb.	.15	- .18
Oregano, Mexican, bgs	lb.	.16½-	.17
Portuguese, bgs	lb.	.16½-	.17
Sicilian, bgs	lb.	.15½-	.16
Orris root, Florentine, bls	lb.	.18	- .20
powdered, bbls., bxs	lb.	.23	- .24
Verona, bls	lb.	.15	- .18
powdered, bbls., bxs	lb.	.19	- .24

Orthoaminobiphenyl, dms., c.l., works	lb.	.32½-	—
l.c.l., same basis	lb.	.33	- —
tanks, same basis	lb.	.31	- —
Orthoanisidin, obls	lb.	.80	- —
Orthochloroanilin, dms. 10,000 lbs. or more	lb.	.60	- —
smaller lots	lb.	.70	- —
Orthochloroparanitroanilin, dms., dlvd	lb.	.66	- —
Orthochlorophenol dms. c.l., frt. equald	lb.	.29	- —
l.c.l. same basis	lb.	.30	- —
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald	lb.	.178	- —
l.c.l., same basis	lb.	.181	- —
ret. dms., c.l., same basis	lb.	.165	- —
l.c.l., same basis	lb.	.168	- —
29° C, non-ret. dms., c.l., same basis	lb.	.168	- —
l.c.l., same basis	lb.	.171	- —
ret. dms., c.l., same basis	lb.	.155	- —
l.c.l., same basis	lb.	.158	- —
24-29° C, non-ret. dms., c.l., same basis	lb.	.148	- .158
l.c.l., same basis	lb.	.151	- .161
tanks, same basis	lb.	.135	- .145
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.09¼-	.10¼
l.c.l., same basis	lb.	.10¼-	.11¼
tanks, same basis	lb.	.07¾-	.08¾
Orthoisopropyl N-phenylcarbamate (see IPC).			
Orthoisopropylphenol dms. c.l	lb.	.29	- —
l.c.l	lb.	.30	- —
tanks	lb.	.28	- —
Orthonitroanilin dms	lb.	50	- .53
Orthonitrochlorobenzene, dms	lb.	.18	- .19

Oil, Orange—Para-anisidin

Orthonitrobiphenyl, tech. dms., c.l., works	lb.	.14½-	—
l.c.l., works	lb.	.15	- —
tanks, works	lb.	.13	- —
Orthonitroparachlorophenol cns	lb	75	- —
Orthonitrophenol, bbls., works	lb.	.85	- —
Orthonitrotoluene, dms., c.l., frt. alld.	lb.	09	- —
l.c.l., frt. alld	lb.	.10	- —
tanks, frt. alld	lb.	.08	- —
Orthophenetidin dms. works	lb	90	—
Orthotoluidin, dms., c.l., works	lb.	.21	- —
l.c.l., same basis	lb.	.22	- —
tanks, same basis	lb.	.20	- —
Osage orange crystals, bbls. l.c.l	lb	33½-	—
extract liquid bbls. l.c.l	lb	15½-	—
Orthotolidin, (see Tolidine Base).			
Ouabaine USP bots	gram	3.00	4.00
Ox gall, conc gran. 55 dms., 5 lbs. and up	lb	2.50	- —
Oxyquinolin sulphate, cns. 100 lbs. works	lb	4.25	- —
smaller lots, works	lb	4.40	- 4.51

P

Pancreas substance, assay 1:75	lb.	5.75	- 6.25
Pancreatin USP	lb	2.50	3.00
Panthenol bots. works, frt. adjust.	kilo	90.00	—
Papain, powd., NF, cs	lb.	3.50	- 4.00
Papaverine, natural or synthetic, hydrochloride USP cns., 1,000- oz. lots	oz	5.00	—
smaller lots	oz	5.05	5.20
Sulphate, cns	oz	7.10	7.35
Paprika, Chilean, bgs	lb.	.29½-	.30
Portuguese, bgs	lb.	.39	- .40
Spanish, bgs	lb.	.44	- .50
Para-anisidin dms works	lb	80	—

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- It's a manufactured article . . . free from the price fluctuations of natural essential oils such as Citronella, Sassafras, etc.
- Its high quality never varies, enabling you to manufacture uniformly dependable products.
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Para-acetylaminobenzaldehyde—Petroleum Mineral Spirits

Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted lb. 17.50 - 21.00
Parachlorophenol, dms. c.s., frt. equald lb. .29 - —
l.c.l., same basis lb. .30 - —
Parachloroanilin dms. frt alld E. Miss lb. .70 - —
Parachloro-orthonitroanilin frt. alld. dms lb. .70 - —
Paracresol, 98%, dms., dlvd lb. .50 - —
Paracymene dms. works, 50 gals. or more gal 2.50 - —
smaller quantities gal 3.00 - —
Paradibromobenzene, bgs. 500-lb lots. lb. .45 - —
Paradichlorobenzene dms. c.s., works lb. .12 - .13½
l.c.l., same basis lb. .16 - .19
Paraffin, crude, scale, white or yellow 119-121 ASTM, bbls., c.l. refinery lb No prices.
121-123 ASTM, bbls., c.l., ref'y lb. No prices.
126-128 ASTM, bbls., c.l., ref'y lb. No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y lb. .0635- —
122-124 ASTM, loose, c.l., ref'y lb. .0695- —
125-127 ASTM, loose, c.l., ref'y lb. .0695 - —
128-130 ASTM, loose, c.l., ref'y lb. .0635- —
130-132 ASTM, loose, c.s., refy. lb. .0705- —
132-134 ASTM, loose, c.l., ref'y lb. .0720- —

Paraffin prices in bgs and ctns 7-10c per lb higher; 1,000 to 9,999 lbs. 2.7c per lb higher, and under 1,000 lbs 3.7c per lb higher

Paraformaldehyde, 94-95%, powd., dms., c.l., dlvd N.Y lb. .15½- .16¾
10,000 lbs. to c.l., same basis. lb. .16½- .16¾
1,000-9,999 lbs., same basis. lb. .17½- .17¾
less than 1,000 lbs., same basis lb. .19¼- .19½
94-95%, powd., dms., c.l., works. lb. .13 - —
10,000 lbs. to c.l., same basis. lb. .14 - —
1,000-9,999 lbs., same basis. lb. .15 - —
less than 1,000 lbs., same 135-137 ASTM, loose, c.l., ref'y lb. .0795- —
basis lb. .17 - —
91-92%, flake, fib. dms., c.l., works lb. .11 - —
10,000 lbs. to c.l., same basis. lb. .12 - —
1,000-9,999 lbs., same basis. lb. .13 - —
less than 1,000 lbs., same basis lb. .15 - —

Quotations on 91-92%, flake paraformaldehyde in the New York metropolitan area are on a delivered basis, 2½c. per lb. higher than works prices.

Paraldehyde, tech., 98% 55 gals., dms., l.c.l., works lb. .12½ .13½
5-10-gal. dms., l.c.l., works lb. .16½ —
tanks, works lb. .10½ —
USP, chys lb .51 .53
Paranitroanilin, dms., c.l., works, frt. alld lb. .43½- —
l.c.l., frt. alld lb. .46½- —
Paranitrochlorobenzene kgs. works lb. .19 - .20
Paranitrophenol, kgs., works, frt. equald lb. .42 - —
Paranitrotoluene, kgs., frt. alld lb. .33 - —
Paraphenetidin, dms., works lb. .50 - —
Paraphenylphenol, bgs., c.l., works. lb. .31½- —
l.c.l., same basis lb. .32½- —
Paraphenylenediamine, redistilled, dms., works lb. 2.05 - —
technical, refined, dms., same basis lb. 1.05 - 1.30
Paratertiarybutylphenol, bgs., c.l., works lb. .23½- —
l.c.l., same basis lb. .24½- —
Parathion, spray powder, 15%, tins, dealers lb. .72 - —
tech., dms., works lb. 1.50 - 2.50
Paratoluenesulphonamide, bbls., works lb. .70 - —
Paratoluidin, bbls., frt. alld lb. .61 - —
Paretra brava root, whole, bgs lb. .30 - .31
ground, bxs lb. .35 - .37
powder bxs lb. .38 - .40
Paris green, dealer, distributor, dms., dms., c.l., works, frt. alld. on 96 lbs. or over lb. .33 - .37
l.c.l., same basis lb. .34 - .66
Passion flower herb, bls lb. .35 - .40
Patchouli leaves, bls lb. No stocks.
Peanut meal, 45% sacked, mills ton. 71.50 - 73.00
Pectin, citrous, NF, powd., bbls lb 2.05 - 2.08
tech., powd., bbls lb. 1.35 - —
Penicillin, crystalline potassium, unlabeled, vials, 100,000 units vl. .102 - —
200,000 units vl. .151- —
500,000 units vl. .28 - —
1,000,000 units vl. .52 - —
2,000,000 units vl 1.00 - —
bulk, sterile, over 25,000,000,000 unit lots 100,000 units. .04 - —
tablet grade, over 25,000,000,000 unit lots 100,000 units. .03½- —
Penicillin procaine, bulk, over 25,000,000,000-unit lots 100,000 units. .04½- —
sodium, unlabeled, vials 100,000 units vl. .10¾- —
200,000 units vl. .16 - —
500,000 units vl. .30½- —
1,000,000 units vl. .57 - —
2,000,000 units vl. 1.03 - —
bulk, over 25,000,000,000 unit lots 100,000 units. .04½- —
Pennyroyal leaves, bls lb. .40 - .43
Pentachlorophenol, dms., c.l., works, frt. equald lb. .20 - —
l.c.l., same basis lb. .23 - .28
truckload, 20,000 lbs., min., same basis lb. .20¼- —
Pentaerythritol, tech., bgs., c.l., works lb. .29 - —
l.c.l., works lb. .31 - .33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol)
Pentane industrial tanks, group 3 gal 10½- 11⅛
Pepper, black, bgs lb. 2.60 - 2.65
Sept. shipment, bgs lb. 1.90 - 1.95
Red, Carolina, longs, bgs lb .38 .39
Oct.-Nov. delivery, bgs lb .36 .37
Haitian, bgs lb. .52 - .53
Hontaka, bgs lb. .55 - .56
Louisiana longs, bgs lb. .39 - .40
Mexican sports, bgs lb. .35 .36
Mississippi sports, bgs., source lb No stocks.
Nigerian, caps, bgs lb. .36 - .37
Sierra Leone, bgs lb .42 .43
Sudanese, small, bgs lb. .42 .43
Turkish, bgs lb. .26½- .27
White, afloat, bgs lb. 3.70 Nom.
Peppermint, USP, dom., bls lb .50 .70
imported, bls lb. .80 .90
Pepsin, NF bulk containers lb. 3.90 —
Perchloroethylene, dms., c.l., or truckload, works, frt. equald. lb. .10¾- —
l.c.l., same basis lb. .11½- —
tanks, same basis lb. .10¼- —
Perchloroethylene, dms., c.l., dlvd. E lb. .11½- —
l.c.l., dlvd. E lb. .12 - —
tanks, dlvd. E lb. .10½- —
Peru, balsam, dms lb. 1.05 - 1.35
Petrolatum, USP, white, lily, dms., lb. .05 - —
l.c.l., same basis lb. .05½- —
cream, dms., c.l., same basis lb. .06 - —
l.c.l., same basis lb. .07¼- —
extra, amber, dms., c.l., same basis lb. .05½- —
l.c.l., same basis lb. .05¾- —
USP, white, lily, dms., c.l., same basis lb. .06⅜- —
l.c.l., same basis lb. .07⅛- —
snow, dms., c.l., same basis lb. .06⅞- —
l.c.l., same basis lb. .07⅛- —
soft, dms., c.l., same basis. lb. .06⅝- —
l.c.l., same basis lb. .07⅛- —
yellow, soft, dms., c.l., same basis lb. .06 - —
l.c.l., same basis lb. .06½- —
Petroleum, crude bulk, at wells. California bbl 1.10 2.99
Illinois bbl. 2.44 2.87
Kentucky bbl 2.42 2.83
Louisiana-Arkansas bbl 2.08 2.90
Montana bbl 1.28 2.775
Oklahoma-Kansas bbl. 2.16 2.65
Pennsylvania lower field bbl. 3.57 - —
Upper field bbl. 4.00 - —
Texas, East bbl 2.65 —
Gulf coast bbl 2.38 2.95
North, North-Central bbl 2.23 2.65
Panhandle bbl 2.23 2.65
West bbl 2.10 2.65
Wyoming bbl. 1.28 - 2.875
Ether, laboratory, 30°-60° C, 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
35°-60° C, 10-gal cns., dlvd. E. gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal. .44 - —
40°-75° C, 10-gal. cns., dlvd. E gal. 1.50 - —
dms., c.l., Group 3 gal. .26 - —
l.c.l., same basis gal .44 - —
90°-160° C, ref. dms., ex tax, f.o.b San Francisco gal. .57 - —
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery bbl. 1.40 - 1.60
light, tanks, refinery bbl. 2.05 - 2.10
eastern, tanks, Albany, N. Y. bbl. 2.35 - —
Baltimore, Md. bbl. 2.18 - —
Boston, Mass. bbl. 2.20 - —
Charleston, S. C. bbl. 2.13 - —
Jacksonville, Fla. bbl. 2.02 - —
New York, N. Y. bbl. 2.05 - 2.10
Norfolk, Va. bbl. 2.18 - —
Philadelphia, Pa. bbl. 2.18 - —
Portland, Me. bbl. 2.23 - —
Providence, R. I. bbl. 2.175 - —
Savannah, Ga bbl. 2.03 - —
Diesel, tanks, refinery, California gal. .095 - .10
Pennsylvania gal. .0875- .0925
Furnace, tanks, refinery, Arkansas, No. 2 gal. .0775- —
No. 3 gal. .07375- —
Bayonne, N. J., No. 2 gal. .086 - —
Group 3, No. 1 gal. .08 - .08625
No. 1, straw gal. .08 - .08625
No. 2, straw gal. .07375- .085
range gal. .08 - .0875
Pennsylvania, western, No. 1. gal. .095 - .09625
No. 2 gal. .09 - .095
No. 3 gal. .09 - .0925
Lacquer diluent, California, 170-225 F. b.r., tanks, ex tax, f.o.b. Los Angeles gal. .147 - —
255 F, b.r., tanks, ex-tax. Portland, Ore gal. .158 - —
San Francisco gal. .152 - —
Seattle, Wash gal. 158 - —
East coast, tanks, N. J. and N. Y. refinery gal. .17 - —
group 3, benzol-type, tanks, refinery gal. .12625- —
toluol-type tanks, refinery. gal. .11625- .11875
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco gal. .152 - —
205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis gal. .152 - —
305-362 b.r., tanks, same basis gal. .142 - —
312-400 b.r., tanks, same basis gal. .142 - —
360-455 b.r., tanks, same basis gal. .152 - —
East coast, tanks, N. J., N. Y., refinery gal. .15 - —
group 3, tanks gal. .10375- —
tankwagon, Baltimore gal. .18½- —
Boston gal. .17 - —
Buffalo gal. .17½- —
Newark gal. .16 - —
New York gal. .16 - —
Philadelphia gal. .15 - —
Pittsburgh gal. .18 - —
Providence gal. .17½- —
Rochester gal. .19 - —
Syracuse gal. .20 - —
Washington, D. C. gal. .18½- —

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Sonneborn chemists have discovered that adding Vitamin E (Tocopherol) to mineral oil will make the oil much more stable—safeguarding it against the development of unpleasant taste or odor. This, of course, means longer shelf life for Sonneborn's new fortified mineral oil.

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Leads through Research
WHITE OILS • PETROLATUMS • PETROLEUM SULFONATES

Petroleum naphtha, cleaners, East Coast, tanks, N. J., N. Y., refinery	gal.	.15	—
Group 3, tanks	gal.	.11375	—
tankwagon, Newark	gal.	.15½	—
New York	gal.	.16	—
Philadelphia	gal.	.15	—
high-flash, 140° F, group 3, refinery, tanks	gal.	.13	.145
200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or terminal	gal.	.21½	.23
25-26° C., m.a.p., tanks, same basis	gal.	.22	.26
270-370 b.r., 78-81° C, m.a.p., tanks, same basis	gal.	.25	—
49° C., m.a.p., tanks, same basis	gal.	.28½	—
26-27° C., m.a.p. tanks, same basis	gal.	.22	.26½
300-400 b.r., 28-32° C. m.a.p., tanks, same basis	gal.	.19½	.28½
340-410 b.r., 27° C., m.a.p., tanks, same basis	gal.	.22	.28½
32° C., m.a.p., tanks, same basis	gal.	.22	—
36° C., m.a.p., tanks, same basis	gal.	.22	—
340-440 b.r., 32° C., m.a.p., tanks, same basis	gal.	.27¾	.29
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles	gal.	.147	—
Portland, Ore	gal	.158	—
San Francisco	gal.	.152	—
Seattle, Wash.	gal.	.158	—
East coast, N. J., N. Y., tanks	gal.	.16	—
Group 3, tanks	gal.	.11375	.11625
tankwagon, Boston	gal.	.18½	—
Newark	gal.	.17½	—
New York	gal.	.17½	—
Philadelphia	gal.	.17	—
Pittsburgh	gal.	.17	—
Solvent, rubber, California, tanks, ex tax, San Francisco	gal.	.152	—
East coast, N. J., N. Y.,	gal.	.16	—
Group 3, tanks	gal.	.11375	—
Pennsylvania, western, tanks	gal.	.1225	—
Stoddard, California, tankwagon, ex-tax, Los Angeles	gal.	.157	.195
East coast, N. J., N. Y., tanks	gal.	.15	—
Group 3, tanks	gal.	.10875	—
tankwagon, Boston	gal.	.17	—
Newark	gal.	.16	—
New York	gal.	.16	—
Philadelphia	gal.	.14	—
Pittsburgh	gal.	.18	—
Syracuse	gal.	.20	—
Sulphonate, 60-62% sulphonic content ret dms. c.l., works	lb.	.15¾	—
l.c.l., works	lb.	.16¼	—
tanks, works	lb.	.14¼	—
50-55% sulphonic content, ret. dms., c.l., works	lb.	.13¾	—
l.c.l., works	lb.	.14¼	—
tanks, works	lb.	.12¼	—
Phenobarbital USP dms., 100 lbs.	lb	4.00	4.35
Phenobarbital-sodium, USP dms	lb	4.00	4.10
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald E. of Rockies.	lb.	.1650	—
l.c.l., same basis	lb.	.1725	—
tanks, same basis	lb.	.1475	—
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.1650	—
l.c.l., same basis	lb.	.1725	—
tanks, same basis	lb.	.1475	—
USP, synthetic, dms., c.l., same basis	lb.	.17¼	—
l.c.l., same basis	lb.	.18	—
tanks, same basis	lb.	.15½	—
tar distilled, dms, c.l., same basis	lb.	.17¼	—
l.c.l., same basis	lb.	.18	—
tanks, same basis	lb.	.15½	—
Phenolphthalein USP or yellow bbls., dms., 2,000 lbs.	lb.	1.10	—
smaller lots	lb.	1.12	1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted	lb.	.46	—
over 2,100 lbs., same basis	lb.	.48	—
less than 2,100 lbs., same basis	lb.	.50	—
Phenylacetaldehyde solution, 50%, bots	lb.	2.45	2.70
100%, bots	lb	4.00	4.75
Phenylacetamide, 125-lb. dms., works, lb. lots	lb.	1.25	—
smaller dms	lb.	1.30	1.60
Phenyl acetate, dms., 100-lb. lots, works	lb.	.50	—
Salicylate (see Salol).			
Phenylalanine dextro laevo, dms., works	lb.	30.00	37.50
Phenyldiethanolamine, dms., c.l., works	lb.	.35½	—
l.c.l., works	lb.	.35	.36½
Phenylethanolamine, dms., c.l., works	lb.	.67½	—
l.c.l., same basis	lb.	.68½	—
Phenylethyl acetate, dms	lb.	1.30	1.80
Phenylethylphenyl acetate, bots	lb.	3.75	4.20
Phenylhydrazin base, CP, bots	lb.	3.00	3.07
Hydrochloride, commercial, kgs., works	lb.	1.75	—
CP, bots., works	lb.	5.12	—
Phenylmethylpyrazolone (see Methylphenylpyrazolone).			
Phloroglucinol, CP, fib. dms., works	lb.	13.75	15.75
commercial fib. dms., works	lb.	5.50	7.00
tech., fib. dms., works	lb.	9.65	10.75
Phosgene, 150-lb. cyls., works	lb.	.20½	—
Phosphate, defluorinated (see under D)			
Phosphate rock, Curacao, Atlantic ports	ton.	35.00	—
Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine	long ton.	3.75	—
70%-68%, b.p.l., c.l., same basis	long ton.	4.15	—
72%-70%, b.p.l., c.l., same basis	long ton.	4.80	—
75%-74%, b.p.l., c.l., same basis	long ton.	5.80	—
77%-78% b.p.l., c.l., same basis	long ton.	6.90	—
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum	short ton.	4.92	—
68% b.p.l., basis 31% P_2O_5 minimum	short ton.	5.28	—
70% b.p.l., basis 32% P_2O_5 minimum	short ton.	5.83	—
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.			
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5	long ton.	6.45	—
30-29% P_2O_5	long ton.	7.21	—
Phosphorus, red, amorphous, cs., works	lb.	.42	—
dms., works	lb.	.39	.40
Yellow cns.	lb.	.30	.37
dms., c.l.	lb.	.26	—
Oxychloride, dms., works	lb.	.13	.16

Phosphorus pentasulphide, dms., c.l., works	lb.	.11	—
l.c.l., dms., works	lb.	.12	.13
Pentoxide, dms., c.l., works	lb.	.12	—
l.c.l., works	lb.	.13	.14
Sesquisulphide, tins, cs., works.	lb.	.23	.29
dms., export	lb.	.33½	.36
Trichloride, dms., c.l., works	lb.	.13	—
l.c.l., works	lb.	.14	.17
Phthalic anhydride, bgs., c.l., works, frt. equald	lb.	.17½	.19
l.c.l., same basis	lb.	.18½	.20
tanks, same basis	lb.	.17	.18½
Bbls. ½c. per pound higher.			
Phthalimide, bbls., works	lb	1.10	1.37
Pichi leaves, bgs	lb.	.08	.10
Picoline (see Alphapicoline and Betapicoline)			
Pilocarpine hydrochloride, NF			
Nitrate, USP, bots., vials	oz.	5.10	—
Pimento, Jamaica, bgs	lb.	.25	.25½
Pinetar retort dms. incl. c.l., works, South	lb.	.4875	—
l.c.l., same basis	lb.	.5110	—
whse., N.Y.C.	lb.	.6550	—
tanks, works, South	lb.	.3875	—
Pinkroot, bls	lb	1.55	1.65
Piperidine, 95% wks. frt. equald.	lb	1.65	—
98%, dms., same basis	lb	1.75	—
Piperazine hexahydrate, bois	kilo	12.50	13.25
Pipsissewa herb (see Prince's pine).			
Pitch, burgundy, domestic, dms. inc., works, South, 1 to 4 dms	100 lbs.	8.00	—
5 to 19 dms	100 lbs.	7.75	—
20 or more dms	100 lbs.	7.55	—
whse., N.Y.C., 1 to 4 dms	100 lbs.	8.92	—
5 to 19 dms	100 lbs.	8.67	—
20 or more dms	100 lbs.	8.47	—
Pitch, coaltar, 150° F. m.p., bbls., c.l. works	ton.	34.00	—
l.c.l., works	ton.	36.00	37.00
Cottonseed, dms., works	lb.	.05	.07
Hardwood, paper bgs., c.l., works.	lb.	.02	—
Linseed, dms	lb.	.06	Nom.
Petroleum (see Asphaltum, Mexican Texas)			
Pine, dms., dms. inc., l.c.l., works, South	100 lbs.	3.75	—
Soybean dms. works	lb.	04½	05
Tall, dms., works	lb.	.03	.03½
Plaster of Paris (see Gypsum)			
Platinum metal, works	oz.	87.00	90.00
Pokeroot bls	lb.	.13	.14
Pleurisy root, bls	lb.	.25	.26
Podophyllin NF dms	lb.	12.45	—
Polyoxyethylene sorbitan monostearate dms., 20,000 lbs., works	lb.	.42	—
10,000-20,000 lbs., works	lb.	.44	—
smaller lots, works	lb.	.47	.49
tristearate, dms., 20,000 lbs., works	lb.	.42	—
10,000-20,000 lbs., works	lb.	.44	—
smaller lots, works	lb.	.47	.49
Polystyrene, colors, special, bgs., over 30,000 lbs. frt alld	lb.	.30	.31
20,000-29,999 lbs. same basis	lb.	.31	.31½
10,000-19,999 lbs., same basis	lb.	.31½	.32
200-9,999 lbs. same basis	lb.	.32	.32½
standard, bgs., over 30,000 lbs., same basis	lb.	.31	—
20,000-29,999 lbs., same basis	lb.	.31	—

Petroleum Naphtha—Potash Caustic

Polystyrene colors, standard, 10,000-19,999 lbs., same basis	lb.	.31½	—
200-9,999 lbs. same basis	lb.	.31½	—
crystals, heat-resistant, bgs., over 30,000 lbs., same basis	lb.	.27	.28¼
20,000-29,999 lbs., same basis	lb.	.28	.29¼
10,000-19,999 lbs., same basis	lb.	.29	.30¼
200-9,999 lbs., same basis	lb.	.29	.30¼
standard, bgs., over 30,000 lbs., same basis	lb.	.27	—
20,000-29,999 lbs., same basis	lb.	.28	—
10,000-19,999 lbs., same basis	lb.	.29	—
200-9,999 lbs., same basis	lb.	.29	—
Polystyrene in non-returnable fiber dms., ½c. per lb higher.			
Pomegranate root bark, bgs	lb.	68	.70
Poppy flowers, bls	lb.	.85	.90
Seed, Argentine, bgs	lb.	.18	.18¼
Czech, bgs.	lb.	.17	Nom.
Dutch, bgs	lb.	.22	.23
Polish, bgs	lb.	.16	Nom.
Turkish, bgs, afloat	lb.	.23½	.24
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works	100 lbs.	10.00	—
l.c.l., works	100 lbs.	10.75	—
liquid, 45% dms., c.l., works,	100 lbs.	4.625	—
l.c.l., works	100 lbs.	5.125	—
tanks, works	100 lbs.	4.30	—
solid, 90% dms., c.l., works,	100 lbs.	9.40	—
l.c.l., works	100 lbs.	10.15	—

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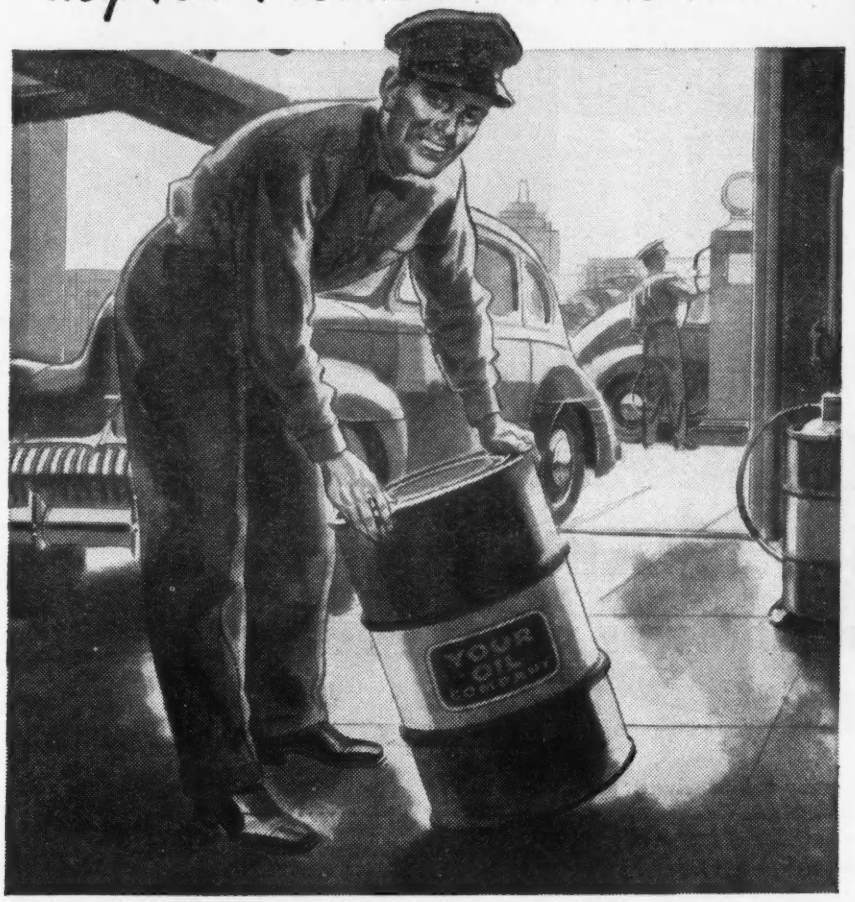

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Potash Caustic—Quinine Hydrobromide

Potash, caustic, regular, flake, 88-92%, dms., c.l., works	100 lbs.	8.50	—
l.c.l., works	100 lbs.	9.25	—
liquid, 45% basis, dms., c.l., works	100 lbs.	3.875	—
l.c.l., same basis	100 lbs.	4.65	—
tanks, same basis	100 lbs.	3.55	—
solid, 88-92%, dms., c.l., works,	100 lbs.	7.90	—
l.c.l., same basis, works,	100 lbs.	8.65	—
Potassium abietate, dms	lb.	.08	—
Acetate, dms	lb.	.31	.36
Bicarbonate, USP, gran, dms	lb.	.20	.22
powd., dms	lb.	.22	.24
Bichromate, bgs., works	lb.	.13¼	.14¼
Potassium bichromate in drums, ½c. higher.			
Bitartrate (see Cream of tartar).			
Borate, gran., bbls., c.l., works	ton.	192.00	—
ton lots, works	ton.	245.50	—
less ton lots, works	ton.	250.50	—
Bromate, bbls., 1,000 lbs. or more	lb.	.59	—
25-200-lb. lots	lb.	.61	—
Bromide, USP, cryst., gran., bbls., kgs	lb.	.34	.37
Carbonate, tech., calcined, bbls., c.l., works	100 lbs.	8.25	—
l.c.l., same basis	100 lbs.	9.30	—
hydrated, 83-85% bbls., c.l., works	100 lbs.	6.75	—
dms., l.c.l., works	100 lbs.	7.50	—
USP, gran., bbls., dms	lb.	.16½	.18
powd., bbls., dms	lb.	.21	.23
Chromate, tech., bgs	lb.	.25	.29
Chlorate, cryst., dms., c.l., works	lb.	.039	—
l.c.l., works	lb.	.0915	.1015
Potassium chlorate, powd., dms., c.l., works	lb.	.094	—
l.c.l., works	lb.	.0965	.1065
export, dms., 1 to 10 tons, ex whse	lb.	.12	—
NF, gran., dms	lb.	.31	.33
Chloride, USP, cryst., dms	lb.	.26	.27
gran., bbls	lb.	.20	.22
powd., bbls	lb.	.29	.32
Citrate, USP, gran., dms	lb.	.37½	.38½
powder, dms	lb.	.40½	.41½
Cyanide, dms, works	lb.	.52½	.55
Fluoride, dms., works	lb.	.24	—
Gluconate, dms	lb.	.75	.79
Glycerophosphate, 75% solution, cbys	lb.	2.05	2.20
Guaiacol sulphonate, NF, dms	lb.	1.80	1.85
Hydroxide, tech. (see Potash, caustic).			
USP, pellets, jars	lb.	.33	—
Hypochlorite, liquid, cbys., dms., works	100 lbs.	3.50	—
Hypophosphite, NF, ton lots and less, fib, dms	lb.	.90	.93
Iodide, dms	lb.	1.95	1.98
Manure salt, 22% K_2O, bulk, mines unit-ton.		.21	—
Metabisulphite, gran., bbls	lb.	.21	—
powd., bbls	lb.	.25	—
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M.	unit-ton.	.40	—
Trona, Cal.	unit-ton.	.48½	—
Nitrate (see Saltpeter).			
Oxalate, neutral, tech., fine gran., bbls., dms	lb.	.30	.32
fine gran., bbls., dms	lb.	.30	.32
purified, dms	lb.	.42	.44
Perchlorate, dms., l.c.l.	lb.	.14	.15
kgs., c.l., works	lb.	.13½	—
Permanganate, tech., dms., works.	lb.	.21¾	.22¾
USP, dms., works	lb.	.23½	.24
ex whse	lb.	.29	—
Potassium persulphate, dms., c.l., works	lb.	.17	—
Phosphate, tetrabasic, bbls., wks.	lb.	.13	.13½
Prussiate, red, kgs	lb.	.60	.63
yellow, bbls	lb.	.21	—
kegs	lb.	.26	—
Ricinoleate, tech., bbls	lb.	.11	—
Silicate, glass, bgs., c.l., works,	100 lbs.	14.45	—
l.c.l.,	100 lbs.	14.95	—
solution, 29° Be., ret. dms., c.l., works	100 lbs.	4.25	5.30
l.c.l., 5 dms or more, works	100 lbs.	5.00	6.05
30° Be., ret. dms., c.l., works	100 lbs.	4.50	—
l.c.l., works	100 lbs.	5.00	—
32.5° Be., ret. dms., c.l., works	100 lbs.	4.60	—
l.c.l., works	100 lbs.	5.10	—
40° Be., ret. dms., c.l., works	100 lbs.	5.10	—
l.c.l., works	100 lbs.	5.60	—
40.5° Be., ret. dms., c.l., works	100 lbs.	5.75	6.50
l.c.l., 5 dms. or more, works	100 lbs.	6.50	7.25
1-4 dms, works	100 lbs.	7.00	7.65
Silicofluoride, bbls. works	lb.	.07	.08
Sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4, min., 90%, works	ton.	34.50	—
NF, cryst., bbls	lb.	.31	.33
gran., dms	lb.	.18¼	—
powder, dms	lb.	.16	.16½
Sulphocyanide, cryst., NF (see Potassium thiocyanate).			
Thiocyanate, NF, cryst., dms	lb.	.75	.81
tech., works	lb.	.45	.50
Titanate, ctns., c.l., works	lb.	.12	—
5 tons, works	lb.	.12¼	—
1 ton or less, works	lb.	.12½	.12¾
Potassium-magnesium sulphate, bulk, min., 40% K_2SO_4, 18-50% MGO, works	ton.	15.20	—
Potassium-sodium tartrate (see Rochelle salt).			
Potassium-titanium fluoride, fib, dms., works	lb.	.45	.55
Potassium-titanium oxalate bbls., kgs	lb.	.63	.70
Potassium-zirconium fluoride, fib, dms., c.l., works	lb.	.50	—
l.c.l., works	lb.	.52½	.55
Pregnenolone	gm.	4.00	—
Acetate	gm.	4.00	—
Prickly ash bark, bls	lb.	.21	.25
Berries, bgs	lb.	.60	.70
Prince's pine herb, bls	lb.	.45	.50
Procaine hydrochloride, USP, dms., contract 1,000 lbs. or more, works	lb.	3.75	4.50
spot	lb.	4.00	5.00
Progesterone, USP, 100 gms	gm.	4.50	—
Propane, commercial grade, tanks, group 3	gal.	.03	—
Propionaldehyde, dms, c.l. works	lb.	.28½	—
l.c.l., works	lb.	.29½	—
tanks, works	lb.	.25	—
Propyl aldehyde (see Propionaldehyde)			
Parahydroxybenzoate, USP, dms	lb.	2.30	2.40
Propylene dichloride, dms., c.l.	lb.	.08½	—
l.c.l.	lb.	.09½	—
smaller containers	lb.	.12½	—
tanks	lb.	.07	—
Oxide, dms., c.l., frt. alld. E	lb.	.18½	—
l.c.l., frt. alld. E	lb.	.19½	—
tanks, frt. alld. E	lb.	.16½	—
Propyleneglycol, NF, dms., c.l., frt. alld., E	lb.	.17½	—
l.c.l., same basis	lb.	.18½	—
tanks, same basis	lb.	.16	—
tech., dms., c.l., frt. alld. E	lb.	.16½	—
l.c.l., same basis	lb.	.17½	—
tanks, same basis	lb.	.15	—
Methylether, dms., c.l., frt. equald,	lb.	.19¾	—
l.c.l., same basis	lb.	.20¾	—
tanks, same basis	lb.	.18¼	—
Propylthiouracil, bots., 50 kilos or more	kilo.	55.00	—
smaller lots	lb.	55.10	55.30
Psyllium seed, black, bgs	lb.	.17	Nom.
blonde, bgs	lb.	.23	.24
husks, bgs	lb.	.65	.68
Pulsatilla herb, bls	lb.	.45	.50
Pumice, dom., grd. coarse, 0, 1, 1½, 2, 3 bgs., ton lots.	lb.	.03¾	.04
Chicago, bgs., ton lots	lb.	.04½	—
smaller lots	lb.	.03¾	.04¼
Italian, silk-screen, coarse, bgs., ton lots	lb.	.05½	—
fine, bgs., ton lots	lb.	.04	—
sun dried, coarse, bgs., ton lots	lb.	.02½	—
fine, bgs., ton lots	lb.	.02½	—
Pumice in bbls. is ½c. per lb. higher.			
Pumpkin seed, bgs	lb.	.18	.26
Purple lake (see ffed)			
Pyrethrum concentrate, dewaxed, 20%; for aerosol bombs, dms., works	lb.	11.00	11.50
liquid (20 to 1), basis 2 grams pyrethrins, per 100cc, odorless base, dms., works	gal.	9.50	—
regular base dms works	gal.	9.40	—
(30 to 1 base, 3 grams, pyrethrins, per 100cc, odorless base, bbls., works	gal.	14.15	—
regular base dms works	gal.	14.05	—
flowers, fine-grd. 0.9% pyrethrins, bbls., works	lb.	.42	.44
powder, 1.3% pyrethrins, bbls., works	lb.	.56	.65
Pyrethrin, synthetic (see Allethrin)			
Pyridin, denaturing, dms. works, and frt equald. c.l	gal.	2.00	2.69
l.c.l.	gal.	2.00	2.72
refd., 2° non ret. dms., c.l., same basis	lb.	.79½	—
l.c.l., same basis	lb.	.80	.90
Pyridoxine hydrochloride, 100-gram lots	gram.	.55	—
Pyrites, Spanish, c.i.f. Atl. ports	long-ton.	8.00	—
Pyrocatchin (see Catechol)			
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines	ton.	11.00	11.50
230 mesh, bulk, c.l., mines	ton.	12.00	12.50
325 mesh, bulk, c.l., mines	ton.	15.00	—
No. 3, 200 mesh bulk, c.l. mines.	ton.	9.50	—
insecticide grade, 200 mesh, bgs., c.l., mines	ton.	12.00	12.50
rubber grade 140 mesh bgs., c.l., mines	ton.	10.00	10.50
Pyrophyllite in paper bgs. $3 to $3.50 per ton extra.			
Pyroxylin, USP, bots	lb.	9.54	—
Scrap, opaque, amber, cs., works.	lb.	.17	—
black, cs., works	lb.	.14	—
gray, cs., works	lb.	.13	—
mixed, mottled, cs., works.	lb.	.12	—
white, china, ivory, cs., works.	lb.	.17	—
dense, cs., works	lb.	.16	—
translucent, pastels cs., works,	lb.	.17	—
transparent, colorless, cs., works.	lb.	.19	—
colors, cs., works	lb.	.17	—
shavings, opaque, amber, cs., works	lb.	.14	—
mixed, colors, cs., works	lb.	.14	—
white, cs., works	lb.	.17	—

Q

Quassia chips, bls	lb.	.08	.09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l.,	lb.	.14¾	.15
liq., 35% tannin, bbls., works,	lb.	.08	.08¼
tanks, same basis	lb.	.07½	—
clarified, solid, 64% tannin, bgs., c.l., duty extra	lb.	.09	—
powd., 70% tannin bgs., c.l	lb.	.15½	—
ordinary, solid, 63% tannin, bgs., c.l., ex-dock, duty extra	lb.	.08 5/16	—
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.			
Queen of the meadow root, bgs	lb.	.18	.20
Quercitron crystals, bbls., l.c.l	lb.	.33½	—
Extract, liquid, bbls. l.c.l	lb.	.14½	—
solid, bxs	lb.	.28	—
Quicksilver, flasks (76 lbs.) net, 100 flask lots	flask.	80.00	—
smaller lots, same basis	flask.	82.00	—
Quince seed, bgs	lb.	.90	1.50
Quinidine, NF V, cryst., ctns	oz.	1.90	—
powd., precip., ctns	oz.	1.85	—
Sulphate, USP, ctns	oz.	1.25	—
Quinine, NF, ctns., 100 ozs	oz.	.70	—
Bisulphate, USP, ctns., 100 ozs	oz.	.51	—
Dihydrochloride, USP	oz.	.70	—
Ethylcarbonate, NF, ctns., 100 ozs.	oz.	.75	—
Hydrobromide, NF, ctns., 50-oz. cns.	oz.	.63	—

From SHELL CHEMICAL

DTBP

(Di-Tertiary-Butyl Peroxide)

$(CH_3)_3C\text{-}O\text{-}O\text{-}C(CH_3)_3$

Stable polymerization catalyst

...at a new lower price

Shell DTBP provides many unique advantages as a catalyst for moderately high-temperature resin polymerization. Now the economy of reduced cost has been added to these qualities:

Stability... DTBP is insensitive to shock... can be stored without composition change or danger of explosion. Its decomposition rate is uniform ... governed entirely by the temperature of operation, independent of kind of monomer, prepolymer, or reaction medium.

Color and Clarity... DTBP leaves no color forming bodies, no acid residue... helps to produce lighter colored polymers... particularly suitable for styrenated alkyds, polystyrene and styrenated oils.

Ease of Handling... no special precautions required... non-corrosive and readily soluble, not only in most resin monomers, but also in viscous partial polymers.

High Catalytic Efficiency... a high degree of conversion from monomer to polymer is obtained with DTBP per unit weight of catalyst.

DTBP is available in commercial quantities, *and is shipped in 1-gallon, 5-gallon and 15-gallon containers.*

PROPERTIES of DTBP

Molecular Wt.	146.22
Spec. Gravity, 20°/4°C.	0.7940
Refractive Index, 20/D	1.3890
Melting Point, °C.	−40.0
Boiling Point, °C (760 mm.)	111
Flash Point (Tag Open Cup), °F.	65
Solubility in water, 20°C (wt. %)	ca. 0.01

Samples available. Technical literature and a sample of DTBP for your own evaluation will be sent on receipt of your letterhead request.

SHELL CHEMICAL CORPORATION

CHEMICAL PARTNER OF INDUSTRY AND AGRICULTURE

Eastern Division: 500 Fifth Avenue, New York 18 • Western Division: 100 Bush Street, San Francisco 6

Los Angeles • Houston • St. Louis • Chicago • Cleveland • Boston • Detroit • Newark

Quinine hydrochloride, USP, cns., 100 ozs. oz. .63 - —
Phosphate NF cns. 100 ozs oz. .76 - —
Salicylate NF, ctns., 100 ozs oz. .66 - —
Sulphate USP cns., 100 ozs oz. .56½- —
Quinine-urea hydrochloride NF, cns lb. .68 - —
Quinolin, dms., c.l., frt. equald lb. .50¾- .51¼
l.c.l., same basis lb. .51¼ .51¾
tanks, same basis lb. .50 - —

R

R salt, paste, dry basis, dms., frt. alld lb. .83 - —
Raspberries, dried, bbls lb 1.60 1.70
Red, alizarin lake, bbls. divd. N of Tenn and N. C., E of Miss. including St Paul Minneapolis, Davenport Rock Island, St. Louis lb 1.45 2.25

Prices ½c per lb higher divd Ala., Fla., Ga., La (Shreveport, 1¾c.), Miss. N. C., S. C., Tenn., Tex. (Dallas, Ft Worth, 1¼c.), El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c per lb. higher, divd Pacific coast prices equaled with Chicago divd Denver, Pueblo, Salt Lake City, Wichita

Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 3.80 - —
light shade, bbls. same basis, lb. 3.65 - —
medium shade, bbls. same basis lb 3.75 - —
medium light shade, bbls., same basis lb. 3.70 - —
orange shade, bbls., same basis lb. 3.30 - —
lithopone, deep shade, bbls., same basis lb 1.45 - —
light shade, bbls., same basis lb. 1.30 - —
maroon shade, bbls. same basis lb 1.55 - 1.65
medium shade bbls., same basis lb 1.40 - —
medium-light shade, bbls., same basis lb. 1.35 - —
orange-red shade bbls., same basis lb 1.25 - —

Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb higher ex whse Los Angeles and San Francisco

Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin, toner bbls. works lb 1.40 - —
Indian, dom., pure, bgs., Bethlehem Easton E St. Louis, N Y lb .11¼ 11¾
Iron oxide, synth., bgs lb. .11¾- .12
75%-85% copperas oxide bgs., l.c.l., Bethlehem, Pa., Copley O.; Easton Pa.; E St. Louis lb. .05¼ .09¼
special high color all shades lb .60 - —
Lake C, toner alizarin, bbls., works lb. 1.05 - —
Lithol toner bbls., works lb. 65½- .80
Lithol-rubin toner, alizarin lake, bbls., works lb 1.40 —
Maroon, alizarin lake, 25%, kgs., works lb. .40 - .43
toner bbls., works lb 1.35 1.50
Cadmium deep bbls., works lb 1.20 —
regular bbls. works lb 1.10 —
Iron oxide bgs., l.c.l., works lb .04 —
MNPA toner kgs., works lb 3.25 —
Maroons in smaller pkgs. 5c per lb higher
Mercury oxide, tech., bbls., 10,000 lbs., works lb 2.00 - —
smaller lots works lb 2.02 - —
Metallic, bbls. works lb. .02½- .02¾
Oxide (see Red iron oxide).
Persian gulf bgs. works lb .05¾ .07
Para toner, bbls lb. .80 - —
Phloxin toner (see Red eosin toner)
Phosphotungstic rhodamine B kgs., works lb 4.45 - —
Pink lake alizarin bbls., works lb .20 - .25
Purple lake, kegs lb. 1.35 - —
Rose lake alizarin bbls. works lb .25 .28
Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½- .05¾
l.c.l. ex dock lb .05¾ .06
ex whse., New York lb. .06½ —
grade 2 bbls., c.l. ex dock lb. .05¼ .05½
l.c.l. ex dock lb. .05½- .05¾
ex whse., New York lb .06¼ —
Toluidin toner (MNPT) kgs. works lb. .96 - 1.30
Turkey, bbls., works lb. .14½- —
Tuscan, bbls., frt equald lb. .24½- .25
Venetian, bbls., bgs., works lb. .0350 —
20% bgs. works lb. .0360 —
25% bgs. works lb. .0410 —
30% bgs. works lb .0440 —
35% bgs. works lb .0465 —
40% bgs. works lb .0490 —
Vermilion, Amer., bbls lb .32 - —
Quicksilver cfns lb 2.27 —
Red Precipitate NF powd. fib dms lb. 2.19 2.21
Red saunders wood powd. bbls lb .50 —
Rennin, NF lb 6.50 - —
Resorcinol, resin grade, dms., c.l., works lb. .71 - —
l.c.l., works lb. .72 - —
tech., dms., c.l., works lb .74 - —
l.c.l., works lb .75 - —
USP, cryst., dms. works lb 2.50 - —
powd., dms., works lb 2.70 - —
Monoacetate NF dms lb 3.25 3.45
Rhatany root, bgs lb .15 - .16
Rhodinol, 5-lb. cns lb. 42.00 -45.00
Rhubarb root, China, whole, cs lb. .75 - .80
powd., bbls lb. .85 - .90
India, whole, bgs lb. .55 - .60
powdered, bbls lb. .62 - .67
Riboflavin USP, bots., divd kilo. 125.00 - —
Readily soluble, bots., divd kilo. 125.00 - —
Rice bran concentrate dms. Cedartown, Ga lb. .79 - —
Rochelle salt USP gran. powd., dms., 5,000 lbs. lb. .28½- —
smaller lots lb. .29 - .34
Rose flowers, pale bls lb 35 .40
Rosemary flowers, bls lb. 1.55 1.65
Leaves, French, bls lb. .12 - .12½
Portuguese, bls lb. .07 - .07½
Spanish, bls lb. .07¼- .07½
Rosin gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works. 100 lbs. 3.50 - —
FF, dms., c.l., works 100 lbs. 5.00 - —
G, H, I, dms., c.l., works. 100 lbs. 6.35 - —
K, dms., c.l., works 100 lbs. 6.35 - —
M, dms., c.l., works 100 lbs. 6.35 - —
N, dms., c.l., works 100 lbs. 6.40 - —
WG, dms., c.l., works 100 lbs. 6.45 - —
WW, dms., c.l., works 100 lbs. 6.50 - —
X, dms., c.l., works 100 lbs. 6.50 - —
Rotenone, CP, bbls., works lb. 20.00 - —
tech., works lb. 16.50 - —
Rottenstone, bgs., c.l., mines ton. 36.00 - —
l.c.l., mines ton. 43.00 - —
Rue herb bls lb. .35 - .40
Rutin, 10 kilos, fib., dms gram. .02¼- .03¼
smaller lots, fib. dms gram. .02¾- .03¾
Ryania, 100% powd., bgs., works lb. .20 - —

S

Sabadilla seed, powd., bbls lb. .70 - —
activated ground with lime, bbls lb 40 - —
Saccharin USP gran., soluble dms., 1,000-lb. lots lb. 1.50 - —
smaller lots lb 1.60 1.70
powd. soluble insoluble, dms., 1,000-lb. lots lb 1.55 —
smaller lots lb. 1.65 1.85
Safflower, Egyptian, bls lb. .65 - .70
Saffron, Mexican bls lb 95 1.00
Spanish, USP tins lb. 17.50 -18.00
Safrol, dms lb .85 1.10
Sage, Cyprus bales lb. 12 .13
Dalmatian, bls lb 1.25 - 1.30
Greek fancy bls lb 23 .25
Spanish, bls. afloat lb. .13 - .13½
Syrian, bls lb. .16½- .17
Sago flour, bgs lb. .07½ .07¾
Saligenin ctns lb 14.00 -25.00
Salol NF gran bbls. kgs lb 1.00 —
6lb dms lb 1.02 1.03
powdered salol 10c higher
Salt rock burlap bgs. c.l 100 lbs .98 —
l.c.l 100 lbs 1.19 1.22
paper bgs. c.l 100 lbs .82 —
l.c.l 100 lbs 1.09 1.12
Table, vacuum common fine bgs., c.l. works 100 lbs .98 1.08
t.c.l. divd 100 lbs 1.20 1.32
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton. 15.00 - —
Saltpeter crvst. bbls. 10 tons 100 lbs. 13.90 —
smaller lots 100 lbs 14.15 14.40
gran., bbls. 20 tons 100 lbs 9.25 —
smaller lots 100 lbs. 10.50 11.00
powd. bbls 20 tons 100 lbs. 10.25 —
smaller lots 100 lbs. 11.50 12.00
NF gran dms lb 15¾ 17¾
Saltpeter in bags 25c per 100 lbs less than in barrels; in kegs $1 more
Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms lb. .75 - 76
Sanguinarine nitrate, bots oz. 4.75 5.50
Santonin NF crvst. powd. cns. kilo. No stocks.
Saponin No 1 cns lb. 2.45 —
Sarsaparilla root, dom. bls lb. .30 - .40
Honduras bls lb 40 45
Mexican, bls lb. .30 - .32
Sassafras, bark ord. bls lb .35 .40
select bls lb 50 .55
Savory, French bls lb. .11 - .11½
Spanish, bls lb. .10 - .10½
Saw palmetto berries, bgs lb. .26 - .35
Scammony resin lump cns lb 1.95 2.20
powd. cns lb 2.05 2.30
Root bgs lb 11 .14
Schaeffer's salt, bgs., frt. alld lb. .73 - —
Scopolamine hydrobromide, bots oz. 16.00 -17.00
Hydrochloride bots oz 84.00 —
Seidlitz mixture, bbls., 5,000 lbs lb. .26¾- —
smaller lots lb. .27¼- —
dms., 100 lbs. or less lb. .28¼- .32½
Selenium, powd cns. 10-lb lots lb 2.35 —
cs., 1,000-lb lots lb 2.25 —
Senega root, bls lb. 2.10 - 2.20
Senna leaf, Alex., half-leaf, bls lb 16 18
sifting, bgs. lb 16 18
Tinnevelly, No. 1, bls lb. .20 - .24
No. 2, bls lb .16 - .20
No. 3, bls lb. .12 - .13
powdered, bls., bxs lb. .20 - .24
Pods, bls lb 12 15
Serpentaria root, bls lb. 3.25 - 3.30
Sesame seed, Chinese, white, natural, bgs. lb. .15 - .15½
hulled, bgs. lb. .18 - .18½
Nicaragua, hulled lb. .22 - .25
natural, bgs lb. .18½- .19
Salvadorean lb. .13 Nom.

Quinine Hydrochloride—Silver Nitrate

Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .51½- —
bbls., 1,500-lb. lots lb. .52 - —
kgs., 1,500-lb. lots lb. .54 - —
refined, bgs., 1,500-lb. lots lb. .61½- —
bbls., 1,500-lb. lots lb. .62 - —
kgs., 1,500-lb. lots lb. .64 - —

Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.

Lemon, No. 1, bgs lb. .50 - .51
No. 2, bgs lb. .48 - .49
Superfine, bgs., 10 bgs lb. .46 - .47
TN, bgs., 10 bgs lb. .44 - .45
Shellac in 1 to 9 bgs., 1c more
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., lll. works ton. 20.00 -30.00
l.c.l., works ton. 25.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton. 20.00 - —
l.c.l., works ton. 25.00 - —
140 mesh, bgs., c.l., works ton. 12.00 - —
l.c.l., works ton 17.00 - —
Tetrachloride, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .18½- .20¼
Silver bullion, ingots, cs oz. .72¾- —
Cyanide, fib dms., 2,500-oz. lots. oz. .66¾- —
1,000-oz. lots oz. .66¾- —
500-oz lots ob. .66⅞- —
100-oz lots oz. .67⅛- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .46½- —
1,000-oz. lots oz. .47¾- —
500-oz lots oz. .48½- —
250-oz lots oz. .48¾- —
USP granular silver nitrate 4c. per oz higher

What do you look for when you buy chemicals?

No matter what you look for when you buy alkalies and associated chemicals . . . you'll find it when you *specify Solvay.*

In addition to price and specifications, Solvay offers the benefits of 69 years' experience with alkalies to assure you of finest quality. Solvay's five big plants, and more than 200 warehouse stock points from coast to coast guarantee prompt delivery.

For technical guidance, you can count on Solvay's "Industry-Wise" Technical Service—exclusive with Solvay—consisting of specialists who have a thorough knowledge of individual industries.

So why take less than the best? *Specify Solvay* and get all these advantages!

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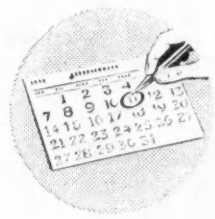

Prompt Delivery

Right Price

Exclusive Technical Service

It pays to specify

SOLVAY

Soda Ash • Caustic Soda • Caustic Potash
Chlorine • Nytron • Potassium Carbonate • Calcium Chloride
Sodium Bicarbonate • Specialty Cleansers
Sodium Nitrite • Ammonium Bicarbonate • Para-dichlorobenzene
Ortho-dichlorobenzene • Formaldehyde • Monochlorobenzene
Methanol • Ammonium Chloride

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Silver Proteinate—Sodium Sesquisilicate

Silver, proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .95 - —
strong, NF, bots., dms., 1,000-oz. lots oz. .90 - —
Simaruba bark, bls lb. .85 Nom.
Skullcap herb, Eastern, bls lb. .60 - .65
Western, bls lb. .30 - .35
Skunk cabbage root, bls lb. .30 - .35
Slate flour, bgs., c.l., works ton.11.00 -12.00
l.c.l., ex whse ton.20.00 -60.00
Sloe berries, bgs lb. .30 - .32
Smalt, black, ctns lb. .11½- —
Blue, ctns lb. .15½- —
Snakeroot, Canada, bls lb. .50 - .55
Soapbark, bls lb. .22 - .23
crushed, bls., bbls lb. .26 - .28
cut, foreign, bbls lb. .25 - .26
powd., bbls lb. .27 - .28
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.45 - —
l.c.l. stock points 100 lbs. 2.85 - 4.62
bbls., c.l., works 100 lbs. 1.95 - —
l.c.l. stock points 100 lbs. 3.35 - 5.12
bulk, c.l., works 100 lbs. 1.20 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.35 - —
l.c.l. stock points 100 lbs. 2.75 - 4.52
bbls., c.l., works 100 lbs. 1.55 - —
l.c.l. stock points 100 lbs. 3.25 - 5.02
bulk, c.l., works 100 lbs. 1.10 - —
flake, powd., 76%, dms., c.l., works 100 lbs. 3.60 - —
l.c.l. stock points 100 lbs. 4.95 - 6.77
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.40 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.50 - —
70% sellers' tanks, works, dry basis 100 lbs. 2.50 - —
rayon-type, tanks, works, dry basis 100 lbs. 2.60 - —
Soda caustic, solid, 76%, dms., c.l., works 100 lbs. 3.20 - —
l.c.l., stock points 100 lbs. 4.55 - 6.42
Sal, bgs., c.l., ex car 100 lbs. 1.58 - —
l.c.l., bgs., ex whse 100 lbs. 1.78 - —
Soda-lime, USP, dms lb. .23 - .25
Sodium acetate, anhyd., dms., works, lb. .10 - .11½
NF, cryst., bbls., works lb. .16 - —
powder, bbls., works lb. .08 - .09
Alginate, refined, water soluble, bbls., works lb. .79 - —
semi-refined, bbls., works lb. .46 - —
NF, white, powd., dms., works, ton lots lb. 1.25 - —
Aluminate, 20,000 lbs. or more, bgs 100 lbs. 8.50 - —
under 20,000 lbs., works 100 lbs. 9.50 - —
Antimoniate, bbls., c.l., dlvd. E. lb. .23¼- —
l.c.l., dlvd. lb. .24¼- —
Arsenate, dealers, dms., c.l., works. lb. .12 - —
Arsenite, dealers, dms., works lb. No stocks.
solution, dms., works gal. .60 - 1.00
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .39 - —
USP, bbls., dms., 100 lbs. or more lb. .46 - —
smaller lots lb. 1.30 - 1.65
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.35 - —
l.c.l., works 100 lbs 3.00 - —
powd., bgs., c.l., works 100 lbs. 1.95 - —
l.c.l., works 100 lbs 2.60 - —
Bichromate, bgs., works lb. .09¾- .10¾
Sodium bichromate, in drums, ½c. higher.
Sodium bifluoride, bbls., c.l., works, frt. equald lb. .13¼- —
l.c.l., same basis lb. .13½- —
Bisulphate, bulk, c.l., works 100 lbs. 2.00 - —
dms., c.l., works 100 lbs. 2.65 - —
l.c.l., works 100 lbs. 3.15 - —
Bisulphite, powd., bgs., c.l., works 100 lbs. 3.75 - —
l.c.l., works 100 lbs. 4.00 - —
solut, 35° bbls., c.l., works 100 lbs. 1.10 - —
l.c.l., works 100 lbs 1.50 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works, lb. .34 - .38
Cacodylate, NF, jars, dms lb. 7.00 - 8.00
Carbonate, anhydrous (see Soda ash), crystalline, monohydrated, bgs., c.l., works 100 lbs. 2.55 - —
l.c.l., works 100 lbs. 2.75 - —
Chlorate, cryst., dms., c.l., works lb. .08 - —
l.c.l., works lb. .08¼- —
powd., kgs., works lb. .09½- —
Chloride, tech. (see Salt).
USP, dms lb. .21 - —
Chlorite, tech., dms., works lb. .75 - —
Chloroacetate, tech., dms., c.l., works lb. .20 - —
l.c.l., dms., works lb. .21 - .22
Chromate, dms., works lb. .11½- .12½
Citrate, anhyd., dms lb. .60 - .65
USP VIII, anhyd., dms lb. .23 - .28
USP XIII, gran., dms lb. .28 - .32
Sodium citrate, USP XIII, powd., prices ½c. higher.
Cyanate, dms., 1,000 lbs., works, lb 1.10 - —
smaller lots, works lb. 1.25 - —
Cyanide, 96-98%, dms. lb. .16 - .18
Diacetate, 33-35% acidity, bbls., works lb. .11½- .12½
anhydrous, dms., works lb. .14 - .15½
Fluoride, white, 90%, bbls., c.l., works lb. .10½- —
l.c.l., works lb. .10¾- .11
95%, bbls., c.l., works lb. .10¾- —
l.c.l., works lb. .11 - —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works lb.12.00 - —
2 to 25 tins to case, works lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works lb.16.50 -21.00
tribasic, ton lots lb.11.00 - —
Formate, bgs. c.l., dlvd. 100 lbs. 7.10 - —
l.c.l. 100 lbs. 8.15 - —
Gluconate, dms. lb. .83 - .85
Glutamate, monobasic, dms., c.l., dlvd lb. 1.53 - —
smaller quantities, dlvd lb. 1.54 - 1.56
Glycerophosphate, NF, flake, bbls. lb. 1.65 - 1.80
powder, bbls. lb. 1.70 - 1.85
solution, 75%, cbys. lb. .96 - 1.06
Hydride, dms., works lb. 2.00 - 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld. lb. .22 - —
l.c.l., frt. alld lb. .22½- .24½
Hydroxide, tech. (see Soda, caustic).
USP pellets, dms lb. .23 - —
Hypophosphite, NF, ton lots and less, dms lb. .85 - .88
Hyposulphite, photographic, bgs., 5,000-lb. lots, Metro. area 100 lbs. 4.10 - —
tech., cryst., bgs., c.l., works, frt. equald 100 lbs. 3.75 - —
l.c.l., same basis 100 lbs. 4.10 - —
pea, bgs. 100 lbs. 3.90 - 4.85
gran., bgs., c.l., works 100 lbs. 4.00 - —
Sodium, hyposulphite, crystals in bbls., 50c. higher.
Iodide (see Sodium thiosulphate).
Iodide, USP, bots, dms lb. 2.47 - 2.59
Lactate, edible, 50%, dms., cbys., works lb. .19 - —
60%, dms., cbys., works lb. .24 - —
tech., 50%, dms., cbys., works, lb. .13 - .14
Metaborate, octa-hydrate gran., bgs., c.l., works ton.73.00 - —
l.c.l., works ton.118.00 -123.00
tetrahydrate, c.l., bbls., works ton.184.50 —
Sodium metaborate in bbls. $20 per ton higher.
Metal, tanks, works lb. .16 - —
bricks, dms., works lb. .17 - .18
Metanilate, bgs. (100% basis) lb. .57 - —
Metasilicate, anhyd., dms., c.l. 100 lbs. 4.60 - —
l.c.l., dms., works 100 lbs. 4.85 - —
pentahydrate, ngs., c.l., works, 100 lbs. 3.50 - —
l.c.l., bgs., works 100 lbs. 3.90 - 6.40
bbls., c.l., works 100 lbs. 3.90 - —
l.c.l., bbls., works 100 lbs. 4.30 - —
Molybdate, anhyd., bbls., works lb. .60 - —
Monohydrate (see Sodium carbonate, monohydrated).
Napthionate, bbls lb. .66 - —
Nitrate, crude, dom., bgs., c.l., works ton.48.50 - —
bulk, c.l., works ton 45.00 - —
imp. 100-lb. bgs. c.l., All Gulf, Pac whse ton.51.50 - —
bulk, c.l., same basis ton 48.00 - —
Nitrite, 99½% bbls., c.l., works, frt. equald lb. .07¼- —
l.c.l., same basis lb. .08¾- —
USP, dms lb. .21 —
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 5.25 - —
l.c.l., same basis 100 lbs 5.35 7.10
hydrated flake bbls, c.l. works, 100 lbs. 4.25 —
l.c.l. works 100 lbs. 5.50 5.75
Oxalate, neut., bgs., works lb. .09½- —
Para-aminobenzoate, dms., 1,000 lbs. or more lb 3.50 - —
smaller lots lb 3.65 - —
Para-aminosalicylate, dms., 1,000 lbs. or more lb 5.25 - —
smaller lots lb 5.30 6.25
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .21½- —
l.c.l., same basis lb .22½ .24¼
pellets, bgs. c.l. same basis lb. .21 - —
l.c.l., same basis lb. .22 .24
powd., bgs., c.l. same basis lb. .20 - —
l.c.l., same basis lb. .21 - .23
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works lb. .18¾- —
l.c.l. works lb .19¼ —
Peroxide, dms. c.l., dlvd. E. of Miss lb. .18 - —
l.c.l., same basis lb. .18½- .19
Phenolsulphonate, USP IX, gran., dms lb. .38 - .39
powd. dms lb. .41 .42
Phosphate, dibasic, anhydr., bgs., c.l., works 100 lbs. 6.75 - 7.00
l.c.l., works 100 lbs 7.25 7.50
cryst., bgs. c.l. works 100 lbs 4.00 - —
l.c.l., works 100 lbs. 4.40 - —
USP, dried, powd. bgs., dms. works lb .19 - .20½
monobasic, anhyd., bgs., c.l., works 100 lbs. 7.80 - —
l.c.l., works 100 lbs. 8.20 - —
tribasic, cryst., bgs., c.l. wks., frt. equald 100 lbs. 3.90 - —
l.c.l., same basis 100 lbs. 4.30 - —
Sodium phosphates in bbls. 40c higher than bgs
USP (see Sodium phosphate dibasic)
Prussiate, yellow bgs lb. 12½- —
Pyrophosphate, acid, bgs., c.l., works, frt. equald 100 lbs.10.50 - —
ferric dms. 1,500 lbs. works, lb .30 - —
smaller lots works lb .31 - —
tetrasasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 7.15 - —
l.c.l., frt. equald 100 lbs. 7.35 - —
Salicylate, USP, dms lb. .61 - .63
Sesquicarbonate, bgs., c.l. works, 100 lbs 1.95 —
l.c.l. dlvd. zone 1 100 lbs. 3.70 - 4.10
zone 2 100 lbs 3.96 4.36
zone 3 100 lbs 4.25 4.65
zone 4 100 lbs 4.96 5.35
Sales zones are: (1) All States E of Miss. R. and N of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Fex E. of 100°; S of 31° Fla.; also Me. N. H. and Vt., in which there are special county zones; Davenport, Ia. and St. Louis. (2) Ark. E. of 98° Ga.; Iowa (except Davenport) Minn., Mo (except St. Louis), Neb., E of 98° N. C. S. C., Penn and Pex N. of 31° and E of 100° (except Wichita Falls); also Ala. La and Miss. No of 31°; (3) Ark W of 96° Kan. Neb W of 98°; N. D. Okla., S. D., Tex. W of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont. Nev., N. M., Utah, Wyo. and El Paso, Tex.
Silicate, c.l. works 100 lbs 2.45 —
Sesquisilicate, bbls., c.l., works 100 lbs. 4.15 —
l.c.l., dlvd 100 lbs. 5.40 5.65
tanks, works ton.16.00 -17.00

the New AROPLAZ 1395-M70

Now, there's a specially designed vehicle for porch and deck paints that combines the excellent durability, toughness, and abrasion resistance of alkyd resins, *and* — the brushing ease, alkali- and water-resistance of oleo-resinous vehicles. It's the new AROPLAZ 1395-M70 — *the first* alkyd resin specially designed as sole vehicle for porch and deck enamels.

Although designed primarily for production of high quality porch and deck finishes, it's also an outstanding vehicle for all exterior enamels, structural steel primers and top coats, and clear spars. It's excellent for floor enamels and as a grinding vehicle, too. *Ask today* for full information.

AROPLAZ 1395-M70 also exhibits —

- Good leveling
- Fast drying
- Good non-chalking
- High gloss
- Good color

SPECIFICATIONS — AROPLAZ 1395-M70

Non-Volatile	69-71%
Solvent	Mineral Spirits
Viscosity (G.H.)	Y-Z1
Acid Number of Non-Volatile	8-12
Color (Gardner Stds. '33)	9-11
Wt. Per Gallon @25°C.	7.9-8.0 lbs.

U.S.I. INDUSTRIAL CHEMICALS, INC.
60 East 42nd Street, New York 17, N. Y.

Sodium silicate, liquid, 40°, turbid., dms., c.l., works..100 lbs. 1.10 - —
l.c.l., works.....100 lbs. 1.45 - 1.85
tanks, works.....ton.17.00 - —
52°, turbid., dms., c.l., works 100 lbs. 1.90 - —
l.c.l., works.....100 lbs. 2.25 - —
tanks, works.....ton.33.00 - —
solid, bgs., works.....ton.50.00 - —
Silicofluoride, bbls., c.l., works lb. .04½- —
l.c.l., works.....lb. .049 - —
Stannate, dms., works, frt. alld E. lb. .564 - .618
Stearate, USP, anhyd., bbls., works lb. .51 - .56
Sulphanilate, bbls., works lb. .22 - —
Sulphate, NF VII, dried, gran., dms lb. .14½- .16½
tech. annyd. bgs. c.l. works. 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.35 2.60
cryst (see Glauber's salt)
USP, cryst., bbls lb. .17 - .19
gran., bbls lb. .17 - .17½
Sulphide, flake, bbls., c.l., works, frt. equald 100 lbs. 4.50 - —
l.c.l., same basis 100 lbs. 5.00 5.25
fused, bbls. c.l., works, frt. equald 100 lbs 4.00 - —
l.c.l. same basis 100 lbs. 4.50 - 4.75
Sulphite, anhyd., by-product, powd., bgs., c.l. frt equald 100 lbs. 2.50 - 2.75
l.c.l., same basis 100 lbs. 3.25 - 3.75
regular, powd., bbls., c.l., works 100 lbs. 6.50 - —
l.c.l., same basis 100 lbs. 7.00 - —
crystals, bgs., c.l., works 100 lbs. 4.10 - —
l.c.l., works 100 lbs. 4.50 - 4.75
bbls., c.l., works 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 4.90 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls. lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l lb. .05¾- —
l.c.l., works lb. .06¼- —
liquid, 45% basis 100%, tanks, works ton.90.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works lb. .03 - —
l.c.l., works lb. .03¼- —
Thiocyanate, CP, dms lb. .55 - .65
tech., dms., works lb. .30 - —
Thiosulphate tech. (see Sodium hyposulphite).
USP, cryst. bbls lb. .10 - .12
Titanate, etns., c.l., works.....lb. .10 - —
5 tons, works lb. .10¼- —
1 ton or less, works..... lb. .10½- .11
Trichloroacetate, dms. lb. .46 - .55
Tripolyphosphate, bgs., c.l., works, frt. equald .....100 lbs. 7.25 - —
l.c.l., same basis...100 lbs. 7.65 - —
Tungstate, tech., kgs., dlvd. East. lb. 1.25 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose—See CMC.
Sodium-Cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dlvd., dms lb. .22 - .22½
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
l.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .29 - —
less 1,000 lbs. same basis lb. .30 - —
Solvent naphtha, coaltar tanks, works gal. .28 - .31
high-flash, tanks, works gal. .28 - .31
Petroleum, 100° F., flash, tanks, Baytown, Tex gal. .28 - —
Bayonne gal. .32 - —
150 F dash, tanks same basis-gal. .28 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .30 - .31
10,000 to 20,000 lbs., works lb. .32 - .33
smaller lots, works lb. .35 - .38
tristearate, fib. dms., 20,000 lbs. works lb. .30 - —
10,000 to 20,000 lbs., works lb. .32 - —
smaller lots, works lb. .35 - .37
Sorbitol, cryst. pellets, dms., c.l., works lb. .30 - —
ton lots to 5 tons, works. lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works lb. .22¼- —
ton lots, works lb. .23¼- —
less ton lots, works lb. .24 - —
tanks, works lb. .21¼- —
regular, 70%, aqueous, dms., c.l., works lb. .16¼- —
ton lots, works lb. .17 - —
less ton lots, works lb. .17½- —
tanks, works lb. 15½- —
Soybean meal, 41% bulk, Decatur. ton.60.00 - —
50%, same basis.....ton.70.25 - —
protein, chemically isolated, 40,000 lbs., dlvd. lb. .24 - —
20,000 lbs., same basis ... lb. .24¼- —
smaller lots, same basis lb. .24½- .28
mechanically refined, bgs., 40,000 lbs., same basis lb. .0600- —
20,000 lbs., same basis ... lb. .0615- —
smaller lots, same basis. lb. .0630- —
Sparteine sulphate, cns..... oz. .85 - 1.25
Spearmint leaves, bls.....lb. .60 - .65
Spikenard root, bls ..... lb. .36 - .40
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works. lb. .05¼- —
Squaw vine leaves, bls..... lb. .30 - .35
Squill, red, fortified, powd., bbls. boxes lb. 1.60 - —
White, bls. .....lb. .11 - .13
powd., bbls., bxs.....lb. .16 - .18
St. Ignatius beans, bgs.....lb. No stocks.
St. John's bread, edible, bls.....lb. .13 - .18
Stainless steel flake, dry, dms., works lb. 1.50 - —
paste, dms., works..... lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Star root (see Helonias root).
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., 100 lbs. 5.92 - —
Chicago .....100 lbs. 5.27 - —
l.c.l., ...100 lbs. 6.07 - —
powd., paper bgs., c.l.....100 lbs. 6.03 - —
Chicago .....100 lbs. 5.38 - —
l.c.l. .....100 lbs. 6.18 - —

Prices for corn starch in cotton bags, 12c. to 15c. per 100 lbs. higher.

Potato, Idaho, bgs., c.l., works. lb. .05¼- —
Maine, bgs., c.l., works....lb. .05¼- —
l.c.l., spot.....lb. .07½- .07¾
Rice, bgs. .....lb. .10¾- .11
Sweetpotato, bgs., c.l.....lb. No stocks.
Wheat, bgs. .....lb. .0606- .0626
Stavesacre seed, bgs .....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. .....lb. .35 - .38
Stoneroot, bls .....lb. .07¼- .08
Storax, USP cs. .....lb. 1.50 - 1.60
Stramonium leaves, bgs.....lb. .22 - .24
Seed, bgs .....lb. .20 - .21
Streptomycin, hospitals, vials gram. .60 - —
wholesalers, vials ..... gram. .48 - —
Strontium bromide, NF cns., dms., lb. .67 - —
Carbonate, 90%, dms.....lb. .15½- .16½
Strontium chloride, tech., bbls...lb. .22 - .24
Chromate, bbls., works .....lb. .50 - —
Iodide, jars, 25 lbs .....lb. 3.60 - —
Nitrate, bbls., c.l., works.....lb. .09¼- —
l.c.l. works .....lb. .10¼- —
Oxalate, bbls, works .....lb. .42 - .44
Salicylate, NF, dms.....lb. 1.65 - —
Sulphate, air-floated, 90% 325 mesh bgs., works ton.56.70 -66.15
Strontium-calcium sulphide, phosphorescent dms. works lb 2.50 - 2.85
Strophanthin NF bots oz.39.00 - —
Strophanthus seed Kombe bgs lb 3.00 - 3.25
Strychnine NF powd. cns. 100 ozs. oz. 1.25 - —
Phosphate, NF 100 ozs oz. 1.14 - —
Sulphate, USP powd. cns., 100 ozs oz. 1.00 - —
Styrene, monomer, dms. c.l. works lb. .17¾- —
l.c.l., works lb. .18¾- —
tanks, works lb. .16½- —
Styrolyl acetate, bots ..... lb 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .60 - —
tech., bbls. l.c.l. works lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar)
Sulphabenzamide, dms lb 4.25 - 4.60
Sulphabenzamide-sodium dms lb 4.25 - 4.60
Sulphadiazin, USP, crystals, free flowing, dms lb.11.25 -11.75
microcrystals, 99%, not over 10 microns, dms lb.10.50 -11.00
powder lb.10.25 -10.75
Sulphadiazin-sodium, USP, granules, free flowing dms lb.12.25 -12.75
powder lb.11.25 -11.75
Sulphaguanidin USP, dms lb. 4.50 - 5.00
Sulphamerazin, USP, micro crystals, 99.9% not over 10 microns, dms lb.10.55 -11.05
powder, dms lb.10.25 -10.75
Sulphamerazin-sodium, USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals.. lb. 8.80 - 9.30
powder lb. 8.50 - 9.00
Sulphanilamide, USP, crystals, free flowing lb. 1.15 - 1.35
microcrystals lb. 1.30 - 1.50
powder lb. 1.05 - 1.25
Sulphanilamidoquinoxaline, veterinary, dms lb. 9.00 - 9.25
Sulphapyridin NF powd. bots. tins, lb 7.00 - 7.50
Sulphapyridin-sodium, powd., bots., dms lb. 7.50 - 8.00
Sulphathiazole, USP crystals, free flowing lb. 3.50 - 4.00
micro crystals, 99.9%, not over 10 microns, dms lb. 3.25 - 3.55
powder, dms. lb. 3.00 - 3.30
Sulphathiazole-sodium, USP, dms., lb. 3.00 - 3.30
Sulphur, crude, c.l., bulk, mines, contract long ton.18.00 - —
f.o.b. vessels, Gulf ports, export..long ton.22.00 -24.00
domestic and Canada .... long ton.19.50 - —
lump, 99½% pure, bgs. 100 lbs. 1.50 - —
bbls. .....100 lbs. 1.80 - —
Flowers, USP, bgs., mines.100 lbs. 3.40 - —
bbls. .....100 lbs. 4.55 - —
refined, cast, bbls., mines..100 lbs. 2.85 - —
flour, com'l, bgs., mines..100 lbs. 1.65 - —
bbls., mines.....100 lbs. 2.30 - —
light, bgs., mines.....100 lbs. 3.15 - —
bbls., mines.....100 lbs. 4.05 - —
heavy, USP, bgs., mines..100 lbs. 2.95 - —
bbls., mines .....100 lbs. 3.80 - —
lump, bgs., mines.....100 lbs. 2.70 - —
roll, bgs., mines.....100 lbs. 3.15 - —
bbls., mines .....100 lbs. 3.60 - —
salt block, bgs., mines..100 lbs. 2.90 - —
Sulphur, rubbermakers, com'l, regular, bgs., mines..100 lbs. 1.95 - —
bbls., mines.....100 lbs. 3.10 - —
98-100% passing through 325 mesh, bgs., mines..100 lbs. 2.05 - —
bbls., mines.....100 lbs. 3.20 - —
refined, bgs., mines.....100 lbs. 2.55 - —
bbls., mines .....100 lbs. 3.60 - —
10% pine tar treated, bgs., mines .100 lbs. 3.45 - —
Chloride, mono 55-gal. dms., c.l., frt. equald lb. .03¼- —
l.c.l., same basis ..... lb. .04¼- —
tanks, same basis ..... lb. 03 - —
Dioxide, liquid, com'l, cyls., works lb. 09 - —
multi-unit cars, works lb 0535- —
tanks, works .... lb. 045 - —
refrigeration, cyls. l.c.l., dlvd lb. .20 - .36
Sumac bark, 28% grd. bgs., ex dock ton 65.00 - 66.00
Extract, No. 1, bbls., 25%..... lb. .10½- —
No. 2, bbls., 25% ..... lb 09 - —
crystals, bbls. ..... lb. 40 - —
stainless, bbls ..... lb. 14½- —
Leaf, 28% grd. bgs., ex-dock, ton.67.00 - 68.00
Superphosphate run-of-pile, under 22% a.p.a. pulv., bulk. Baltimore unit-ton. 76 - —
Carteret, N. J....unit-ton. .70 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa Fla.unit-ton .80 - —

Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, imported, bls.....lb. .90 - 1.00

Sodium Silicate—Sweet Basil

AERO* BRAND

STEARATES

ALUMINUM
CALCIUM
MAGNESIUM
ZINC

WRITE FOR SAMPLES

MANUFACTURED BY

AMERICAN Cyanamid COMPANY

Industrial Chemicals Division
30 Rockefeller Plaza, New York 20, N. Y.

*Trade Mark

Talc—Turmeric Root

T

Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton 25.00 - 35.00
Vermont, bgs., c.l., works ton 14.00 - —
l.c.l., works ton 17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton 24.00 - —
l.c.l. ton 26.50 - 28.00
98.5-99.5%, 325 mesh, bgs., c.l., works ton 23.00 - 28.00
l.c.l., works ton 25.00 - 32.00
Imp. Canada grd., bgs., c.l., mines ton 12.50 - 35.00
Tallow, edible, dms., c.l. lb. .12 Nom.
inedible, extra, loose, c.l., dlvd lb. .08¾ - —
fancy, loose, c.l., dlvd lb. .09 - —
special, loose, c.l., dlvd lb. .09¼ - —
sulphonated, 25%, dms lb. .07 - .07½
50%, dms lb. .09½ - .10
Tamarind, W. I. bbls lb. .10 - .15
kegs keg 10.00 - —
Tankage, animal feeding, 9-11% ammon, bulk unit-ton 8.25 - —
Chicago unit-ton 8.75 - —
Tansy leaves, bls lb. .24 - .30
Tapioca flour, high grade, bgs lb. .07 - .07¼
medium grades, bgs lb. .06¾ - .07
low grades, bgs lb. .06 - .06¼
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt equald gal. 41 - —
l.c.l., same basis gal. 44 - —
tanks, same basis gal. 33 - —
25-28%, dms., c.l., works gal. 48 - —
l.c.l., same basis gal. 51 - —
tanks, same basis gal. 40 - —
Tar acid oil, 50-53%, dms., c.l., same basis gal. .58 - —
l.c.l., same basis gal. .61 - —
tanks, same basis gal. .50 - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs. c.l., ex dock U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton 225.00 Nom.
Tarragon herb, bgs lb. .45 - .50
Leaves, bgs lb. .75 - .80
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .47 - —
dms. lb. .48 - .52
USP, powd., bbls., dms., kgs lb. .52 - .53
Terpin hydrate, com'l, bbls., c.l lb. .24½ - —
l.c.l. lb. .25 - .25½
NF, cryst., bbls., dms lb. .75 - —
powd., bbls., dms lb. .80 - —
Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½ - —
l.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .33 - .60
Terpinglycol ether, dms., c.l., works, lb. .19½ - —
l.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpinyl acetate, extra, cns., dms lb. .60½ - 70½
prime, dms lb. .39 - .50
Terra alba (see Gypsum).
Testosterone, USP, 100 gms gm. 3.75 - —
Propionate, USP., 100 gms gm. 3.75 - —
Tetrachloroethane, dms., works lb. .08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½ - .21½
smaller dms., works lb. .23½ - .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works, lb. .70 - —
Pyrophosphate, 40% cns., dms., works lb. .80 - —
Tetraethylenepentamine, dms., c.l., works lb. .51½ - —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate)
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb 12.50 - 15.00
sulphate, 99% bots., dlvd lb 10.50 - 13.00
Theobromine, fib. dms lb. 5.25 - 5.32
Salicylate, fib. dms lb. 4.40 - 4.45
with sodium acetate, USP, dms lb. 4.05 - 4.10
Sodio-salicylate, fib. dms lb. 3.30 - 3.35
Theophylline, anhyd., or USP, 100-lb dms lb 5.50 - —
Thiamine hydrochloride, USP, bots., 100 grams kilo. 160.00 - —
Mononitrate, bots. 100 grams kilo. 160.00 - —
Thiocarbanilide, dms lb .40 - .42
Thiodiphenylamine (see Phenothiazine).
Thiouracil dms. works lb 5.50 - 6.60
Thiourea, tech., dms., c.l., works lb. .44 - —
l.c.l., works lb. .46 - —
Thorium nitrate cs. works lb 4.50 - —
Threonine, dextro-laevo, 100 grams 15.00 - —
Thyme, French, bgs lb. .16 - .16¼
Spanish, bls lb. .09 - .09½
Thymol, kgs. lb. 3.50 - —
Iodide, NF, dms lb. 6.60 - 6.70
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms., works lb. .851 - .861
Crystals, hydrous, bgs., bols., works lb. .70 - —
Metal lb. .98½ - —
Oxide, bbls lb. 1.05 - 1.06
Sulphate, stannous, bbls lb. .960 - .980
Tetrachloride, anhyd., dms., works, lb. .595 - .605
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd lb. .19½ - —
l.c.l. dlvd lb. .20 - .20½
chalk-resistant, bgs., c.l., dlvd, lb. .19½ - —
l.c.l., dlvd lb. .20 - .20½
plain, bgs., c.l., dlvd lb. .19½ - —
l.c.l., dlvd lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works lb. .05 - —
5-ton lots, works lb. .05¼ - —
milled, ogs., c.l., works lb. .05¼ - —
5-ton lots, works lb. .05½ - —
conchalking, bgs. c.l., dlvd E, lb. .21½ - —
l.c.l., dlvd E lb. .22 - .22¼
Hydride, cns., works lb. 7.00 - 8.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd lb. .07½ - .07¾
l.c.l., dlvd lb. .08 - .08¼
Titanium dioxide and pigment in obls. 1c higher; Pac coast c.l. dlvd., l.c.l. ex wise, ½c higher
Tetrachloride CP, 55 gal. dms lb. .57 - .58
smaller pkgs., works lb. .65 - 1.22
technical, 5-gal. dms., works lb. .32 - —
smaller pkgs. works lb. .40 - 1.00
Tolu balsam, cns., dms lb. 3.50 - 3.60
Toluene (see Toluol)
Tolidin base, distilled, kgs lb 1.10 - —
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa gal. .27 - —
Birmingham dist gal. .25 - —
Chicago dist gal. .28 - —
Cleveland district gal. .27¾ - —
Geneva, Utah gal. .21 - —
Hamilton, Ohio gal. .27 - —
Johnstown, Pa gal. .25 - —
Lackawanna, N. Y. gal. .28 - —
Lone Star, Tex gal. .26½ - —
Lorain, Ohio gal. .26 - —
Minequa, Colo gal. .23½ - —
Philadelphia, Pa lb. .28½ - —
Pittsburgh district gal. .25 - —
Sparrow's Point, Md. gal. .27 - —
St. Louis, Mo gal. .28 - —
Syracuse, N. Y. gal. No prices.
Terre Haute, Ind gal. .28½ - —
Wyandotte, Mich gal. .28 - —
Youngstown, Ohio gal. .25½ - —
Petroleum, industrial 2° tanks works—
Albany, N. Y. gal. .30 - —
Bayonne, N. J. gal. .30 - —
Baytown, Tex. gal. .28 - —
Chicago, Ill. gal. .30 - —
Detroit, Mich gal. .30 - —
Philadelphia, Pa. gal. .30 - —
Providence, R. I. gal. .30 - —
Wood River, Ill. gal. .30 - —
Tonga 50% bark and vine bls lb 80 - 95
Tonka beans, Angostura, cks lb 1.75 - 1.80
Brazilian cs lb 1.00 - 1.15
Surinam cs. lb 1.00 - 1.15
Toxaphene, dms., works, c.l. lb 20 - —
truckloads, works lb 20 - —
ton to truckloads, works lb 23 - —
less than tons, works lb 26 - —
Tolaquine, 100-oz. tots oz. .42 - —
Triacetin, dms., dlvd lb. .45 - .46
Tributyl citrate, dms lb. .41 - .43
smaller containers lb. .46 - .52
Phosphate, tms, c.l., frt alld lb. .56½ - —
l.c.l., same basis lb. .57½ - —
smaller containers lb. .71 - —
Tributylamine, dms., c.l., frt. alld. lb. .78¾ - —
l.c.l., same basis lb. .79¾ - —
tanks, same basis lb. .77 - —
Trichlorobenzene, dms., c.l., works, frt. alld lb. .10½ - .11½
l.c.l., frt. alld lb. .11½ - .12½
tanks, frt. alld lb. .09 - .10
Prices in the West, 1¾c. higher.
Trichloroethane, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½ - —
tanks, works lb. 11½ - —
Trichloroethylene, dms., c.l. or truckload, works, frt equald, lb. .10½ - —
l.c.l., same basis lb. .11¼ - —
tanks, same basis lb. .10 - —
Trichloroethylene, dms., c.l., dlvd, E lb. .11¼ - —
l.c.l., dlvd, E lb. .11¾ - —
tanks, dlvd, E lb. .10¼ - —
Tricholine citrate, 65% solut., ret., cbys., works, frt adjusted lb 2.10 - 2.15
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .34 - —
l.c.l., dlvd lb. .35 - —
tanks, dlvd lb. .32½ - —
petroleum, dms., c.l., dlvd lb. .34 - —
l.c.l., dlvd lb. .35 - —
tanks, dlvd lb. .32½ - —
Triethanolamine, dms., c.l., frt. alld, E lb. .23 - .24¼
l.c.l., same basis lb. .24 - .25¼
tanks, same basis lb. .21½ - .22¼
Triethylamine, dms., c.l., works, frt. alld, E lb. .31¾ - —
l.c.l., same basis lb. .32¾ - —
tanks, same basis lb. .30 - —
Triethyl citrate, dms lb. .34 - .36
smaller containers lb. .39 - .45
Phosphate, dms., works, c.l. lb. .38 - —
l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld., E lb. .20½ - —
l.c.l., same basis lb. .21½ - —
tanks, same basis lb. .19 - —
Triethylenetetramine, dms., c.l., works lb. .41½ - —
l.c.l., works lb. .42 - —
tanks lb. .40 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald, 100% basis, lb. .38 - —
l.c.l., works, frt. equald, 100% basis lb. .38½ - —
tanks, works, frt. equald., 100% basis lb. .33 - —
Trimethylhexanol, dms., c.l., works, lb. .29½ - —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Tripentaerythritol, bgs., l.c.l. works, lb. .36 - —
Triphenyl phosphate, bbls. c.l. frt. equald lb. .33 - —
l.c.l., frt. equald. lb. .34 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli, air-floated, ogs., c.l., works, lb. .0175 - —
double-grd. bgs. c.l. works lb. .016 - —
single-grd. bgs. c.l. works lb. .015 - —
Tripropyleneglycol, dms., c.l., frt. alld. lb. .25½ - —
l.c.l., frt. alld. lb. .27½ - —
tanks, frt. alld. lb. .23½ - —
Trisodium fluoroacetate (see sodium fluoroacetate trihasic)
Trisodium phosphate (see Sodium phosphate trihasic).
Trypsin, 1:25 dms., works lb 2.30 - —
1:50 dms. works lb 4.25 - —
1:75, dms. works lb 5.50 - —
1:100, fib dms. works lb 5.50 - —
Tryptophane, dextro-laevo, fib cms. works kilo. 207.00 - 242.00
Tuba root (see Cube root)
Tungsten metal powd., 99.9%, dms. works lb 4.50 - 4.75
Turmeric root, Alleppey, bgs. lb. .32 - .35
Haitian, bgs. lb. .10½ - .10¾
Jamaica, bgs. lb. .10½ - .11
Madras, bgs. lb. .16 - .16½

Announcing

PITTSBURGH PX PLASTICIZERS

a new wide range line

from a single producer

Pittsburgh Coke & Chemical Company is now producing ten quality-controlled Pittsburgh PX Plasticizers—providing the plastics, rubber, and protective coatings industries with a new, reliable source of supply.

The objective of the Plasticizer Division is to make available from one integrated source of supply a line of highest quality plasticizers in sufficient variation of type to fill virtually every need. Pittsburgh Coke & Chemical Company's integrated operations, from the mining of coal to the purification of the finished plasticizer, permit quality control of all manufacturing steps. The Company's position as a raw material producer gives maximum assurance of continuity of supply.

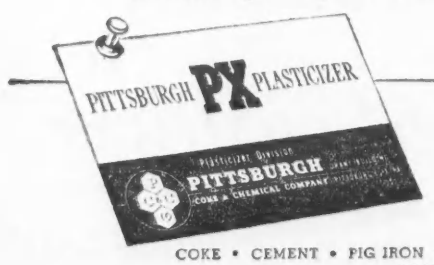
Established evaluation facilities provide our customers with excellent technical service, while continuing research will provide new and improved products for the future.

Descriptive literature on Pittsburgh PX Plasticizers is available upon request. Please address your inquiries to:

Pittsburgh PX Plasticizers

- PX-104 DiButyl Phthalate
- PX-108 DiIsoOctyl Phthalate
- PX-138 DiOctyl Phthalate
- PX-208 DiIsoOctyl Adipate
- PX-209 DiNonyl Adipate
- PX-404 DiButyl Sebacate
- PX-408 DiIsoOctyl Sebacate
- PX-658 TetraHydroFurfuryl Oleate
- PX-916 TriPhenyl Phosphate
- PX-917 TriCresyl Phosphate

Check the above list for your needs. Then write today for individual technical bulletins, as required, which give full technical information about each of the above Pittsburgh PX Plasticizers. No obligation.



Plasticizer Division
PITTSBURGH COKE & CHEMICAL COMPANY
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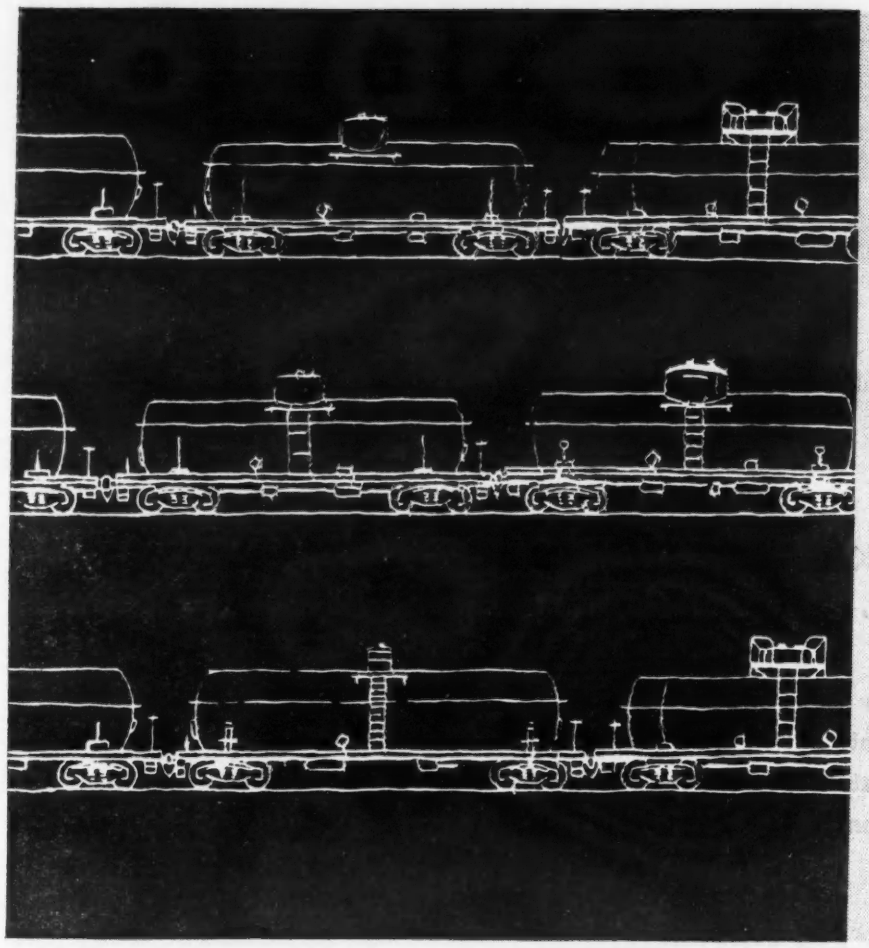

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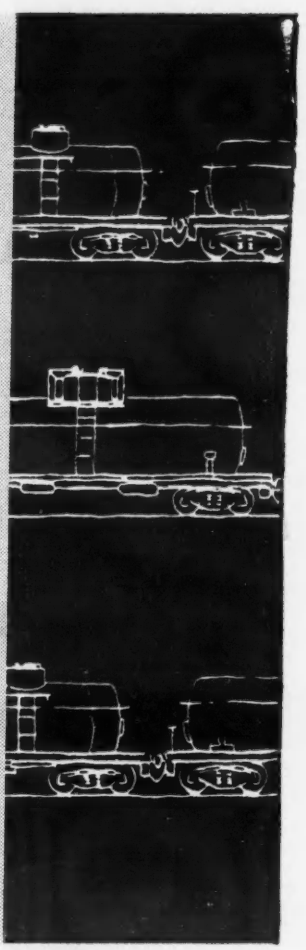

GATX
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TRADE MARK

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District Offices: Buffalo • Cleveland • Dallas • Houston • Los Angeles • New Orleans
New York • Pittsburgh • St. Louis • San Francisco • Seattle • Tulsa • Washington

Export Department: 10 East 49th Street • New York 17, New York

Turpentine—Wormwood Leaves

Turpentine, gum (see Naval Stores Protective Coatings market)
Sulphate, ref. dms., East .... gal. .47 - .56
Wood, dest.-dist., dms., incl., c.l., works, South gal. .40 - —
c.l. same basis .. gal. .41 - —
N. Y. whse ..... gal. .53 - —
tanks, works, South .. gal. .27½- —
steam-dist. dms. incl., c.l., works gal. .50 - —
l.c.l., works South .... gal. .56 - —
ex whse., NYC ..... gal. .68 - —
tanks, works ..... gal. .37 - —
Tyrothricin, bots. ..... gram 1.00 - 1.10

U

Urethane, USP dms..... lb. 1.25 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs ..... lb 2.55 - —
yellow, kgs. ..... lb 1.65 - —
Urea, dom. 46% N, bgs., c.l., wks. lb. .04½- —
l.c.l., works lb. .05 - —
42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton 94.00 - —
bulk, distributors, c.l., 40 tons, frt. alld. Colo., Mont. Wyo., and west .ton.116.00 - —
Urea-ammonia liquor, A and B grades, N basis, Belle, W Va ton.125.00 - —
C and D grades, same basis, ton.123.50 - —
37 grade, same basis..... ton.147.50 - —
Uva ursi leaves, bls..... lb. .06 - .14

V

Valerian root, Belgian, NF, bls. lb. .35 - .37
Valine, dextro-laevo, dms. works. lb. 22.50 - 27.50
Valonia beards, bgs., ex dock ton.78.00 Nom.
Cups, bgs., ex dock..... ton.54.00 -55.00
Extract, powd. bgs., ex dock, duty extra lb. .09½- —
Vanadium pentoxide, CP bgs., cns., works lb. 7.00 - —
tech. dms. works lb 1.00 - 1.06
Vanilla beans, Bourbon, tins.... lb. 3.75 - 4.00
Mexican, cuts, tins ..... lb 6.50 - 6.75
whole, tins ..... lb 7.25 Nom.
Tahiti, cs. ..... lb 2.75 - 3.25
Vanillin, ex eugenol, tins, 25 lbs lb. 4.00 - —
smaller lots..... lb. 4.05 - 4.15
ex guaicol, tins, 25 lbs ..... lb 3.00 - —
smaller lots ..... lb 3.05 - 3.15
ex lignin, tins, 25-lb lots..... lb 3.00 - —
smaller lots, tins ..... lb 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works lb. .17 - —
5-gal. cns., works..... lb. .31 - —
tanks, works ..... lb. .16 - —
Butylether, normal, tech., dms., c.l., works lb. .28 - —
l.c.l., works..... lb. .30 - —
tanks, works..... lb. .27 - —
Ether (see Ether, divinyl).
Ethylether, tech., dms., c.l., wks. lb. .28 - —
l.c.l., works..... lb. .30 - —
tanks, works..... lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works..... lb. .30 - —
tanks, works ..... lb. .27 - —
Vinyl methylether, cyls., works. lb. .30 - —
tanks, works..... lb. .27 - —
Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.
Trichloride (see Trichloroethane).
Vinylpyridin, ref. dms., works... lb. 1.50 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units . 1,000,000 units. .025 - —
lots of 1 billion USP units. 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in neutral vegetable oil, 400,000 or 1,000,000 D units per gm., bots., lots of 10 billion USP units . 1,000,000 units. .02 - —
lots of 1 billion USP units. 1,000,000 units. .025 - —
lots of less than 1 billion USP units.1,000,000 units. .03 - —
Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more . 1,000,000 units. .16 - —
lots of less than 500 million units . 1,000,000 units. .20 - —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more . 1,000,000 units. .17 - —
lots of less than 500 million units . 1,000,000 units. .21 - —
Prices above are based on the USP XIII method of conversion. E = 1894.

Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more . 1,000,000 units. .17 - —
lots of less than 500 million units . 1,000,000 units .21 - —
Over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more . 1,000,000 units. .18 - —
less than 500 million units. 1,000,000 units. .22 - —
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E = 1900.
A, natural, concentrates (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units, per gm. . . 1,000,000 units. .18 - —
A, synthetic, palmitate, 800,000 A units per gm., frt. adjstd. 1,000,000 units. .18 - —
B (see Thiamine hydrochloride).
B_2 (see Riboflavin)
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxin hydrochloride).
B_{12} vials, 25 100 and 500 milligram lots, milligram. .98½- —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
Vitamin E (see Alphatocopherol and Oil, wheat-germ).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls..... lb. 1.75 - 1.80
Tree bark, bls..... lb. .75 - .90
Warfarin, dms., 50 lbs., f.o.b. N. Y or Chicago lb. 1.95 - —
25-49 lbs., same basis ... lb. 2.05 - —
5-24 lbs., cns., same basis lb. 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock ton.67.50 - —
merchantable, bgs., ex dock.ton.65.00 - —
extract, liquid, 35% tannin, bbls., works lb. .07½- .08
solid E. Afr., 61% tannin ex dock, duty extra lb. .07½- —
S. Afr., 62% tannin, ex dock, duty extra lb. .07½- —
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs., spot ..... lb. .44 - .45
Bees, bleached, USP, bricks, cs. lb. .70 - .71
slabs, bgs..... lb. .69 - .71
crude, African, bgs..... lb. .52 - .53
Brazilian, bgs..... lb. .55 - .57
Cent. American, bgs..... lb. .50 - .51
refined, yellow, bricks, cs.. lb. .59 - .60
slabs, bgs ..... lb. .58 - .59
Candelilla, crude, bgs..... lb. .60 - .65
refined, bgs ..... lb. .65 - .70
Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs., ton lots. lb. No stocks.
North Country, No. 2, ton lots. lb. .87 - —
No. 3, crude, bgs., ton lots. lb. .85 - .86
refined, bgs., ton lots.. lb. .91 - .93
yellow, No. 1, bgs., ton lots.. lb. 1.15 - 1.17
No. 2 ..... lb. 1.13 - 1.15
Powdered carnauba price differentials same as powdered candelilla.
Japan, bgs ..... lb. .60 - .65
Microcrystalline, 170°-175° m.p., ASTM amber ctns., 20,000 lbs., group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
black, ctns., 20,000 lbs., same basis lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
white, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p., ASTM, black, ctns., 20,000 lbs., same basis lb. .14½- —
Less than 20,000 lbs., same basis lb. .15½- —
amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis lb. .17 - —
white, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½- —
Less than 20,000 lbs., same basis lb. .21½- —
black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
white, ctns., 20,000 lbs., same basis lb. .33½- —
Less than 20,000 lbs., same basis lb. .34½- —
Montan, dom. black, raw..... lb. .25 - .25¼
refined ..... lb. .31 - .32
imported Bohemian, bgs..... lb. .15¾- .16
German, bgs ..... lb. .17 - .18
Ouricury, refined, bgs., ton lots lb. .88 - .90
Paraffin (see P.)
Spermaceti, blocks, cs..... lb. .24 - .27
cakes, cs. ..... lb. .25 - .28
Sugar cane, crude, imp., bgs .... lb. No stocks.
refined, dom., slabs, works lb. .69 - .74
imp., bgs., N. Y ..... lb. .48 - .50
White lead (see Lead, white).
White pine bark, rossed, bls ..... lb. .18 - .20
White precipitate USP powd., dms. 50 lbs lb 2.00 —
Whiting, limestone, dry-grd, 99.5%, 325 mesh bgs. c.l. works. ton 6.00 -10.00
smaller lots works ton 6.50 -15.00
wet-grd., bgs., c.l., works ton.16.00 -30.00
smaller lots works . ton.21.00 -35.00
Paris white, bgs., c.l ton.24.00 -31.00
l.c.l. ..... whse ton.25.00 -40.00
Precipitated, bgs., c.l..... ton.18.00 -20.00
l.c.l. ..... ton.25.00 -35.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
thin, natural, bls..... lb. .15 - .16
rossed, bls ..... lb. .17 - .18
Wild indigo root bls ..... lb .30 - .31
Wild yam root bls ..... lb .16 - .17
Witch hazel leaves, bls..... lb. .20 - .22
Woodflour 40 mesh bulk c.l., works. East ton 32.00 - —
l.c.l. same basis ton 40.00 - —
60 mesh, bulk, c.l., same basis ton.37.00 - —
basis ton.37.00 - —
l.c.l. same basis ton.45.00 - —
80-100 mesh, bulk, c.l., same basis ton.40.00 45.00
l.c.l., same basis..... ton.50.00 -55.00
Woodflour in bgs extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs..... lb. .13 - .14
Levant, bgs. ..... lb. 4.50 - 5.00
Wormwood leaves, bls..... lb. .35 - .45

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You will find it profitable to use Karagami Wax instead of Japan Wax because of its lower cost, ready availability, and a high uniform quality.

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X

Xanthorrhiza root, bls.....lb. .28 - .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., c.l., works, frt. equald.. lb. .193 - —
l.c.l., same basis..... lb. .196 - —
tanks, same basis..... lb. .18 - —
45°-47°C, dms., c.l., frt. equald.. lb. .153 - —
l.c.l., same basis..... lb. .156 - —
tanks, same basis..... lb. .14 - —
fractions, over 7°C., b.p., except meta, dms., c.l., same basis..gal. 1.01 - —
l.c.l., same basis.....gal. 1.04 - —
tanks, same basis.....gal. .90 - —
Meta fraction, over 7°C., dms., c.l., same basis..gal. 1.11 - —
l.c.l., same basis.....gal. 1.14 - —
tanks, same basis.....gal. 1.00 - —
Xylidins, mixed, dms .....lb. .45 - .50
Xylol, coaltar, industrial, tanks, works—
Bethlehem, Pa.....gal. .29 - —
Birmingham district..gal. .26¼- —
Chicago district .....gal. .29½- —
Cleveland district....gal. .29 - —
Geneva, Utah .....gal. .21 - —
Hamilton, Ohio.....gal. .28 - —
Johnstown, Pa.....gal. .27 - —
Lackawanna, N. Y....gal. .29 - —
Lone Star, Tex.....gal. .27 - —
Lorain, Ohio.....gal. .27 - —
Minequa, Colo.....gal. .27 - —
Philadelphia, Pa.....gal. .29 - —
Pittsburgh district....gal. .26 - —
Sparrows Point, Md..gal. .29 - —
St. Louis, Mo.....gal. .30 - —
Syracuse, N. Y.....gal. No prices.
Terre Haute, Ind.....gal. .31 - —
Wyandotte, Mich.....gal. .29 - —
Youngstown, Ohio....gal. .26½- —
Petroleum, indust., 10°, tanks, works:—
Albany, N. Y.....gal. .30 - —
Bayonne, N. J. ....gal. .30 - —
Baytown, Tex. .....gal. .28 - —
Chicago, Ill. .....gal. .30 - —
Detroit, Mich. .....gal. .30 - —
Philadelphia, Pa. ...gal. .30 - —
Providence, R. I. ...gal. .30 - —
Wood River, Ill.....gal. .30 - —

Y

Yara, yara, cns.....lb. 2.00 - 2.25
Yeast, brewer's dry, USP, 50 B units per gram. 100-lb. dms lb. .44 - .46
80 B units per gram, 100 lb. dms lb. .49 - .51
200 B units per gram, 100 lb. dms lb. .53 - .55
300 B units per gram, 100 lb. dms lb. .57 - .59
Yellow, barium chromate, CP bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. 2.80 - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below
Benzidin, bbls., dlvd. lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.65 - 2.80
Lithopone, all shades, bbls., frt. alld. E. of Rockies lb. 1.02 - —
Cadmium yellows, Los Angeles and San Francisco ex whse l.c per lb higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .25 - .29
Dlvd. Ala., Fla. Ga., La. (Shreveport 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, bbls., same basis as chrome lb. 1.60 - 1.70
Primrose, bbls., same basis lb 1.90 - 2.10
Iron oxide, natural, bgs., c.l., works lb. .0141- .0250
l.c.l., works lb. .0166- .0275
French type, bgs., c.l.....lb. .04½- —
l.c.l. ... lb. .04¾- —
Peruvian type, bgs., c.l. lb .0185- .0210
synth., bgs., c.l., works.....lb. .09½- —
l.c.l., works .....lb. .09¾- —
Mercury oxide, bbls., 1,000 lbs lb. 1.93 - —
smaller lots lb. 1.95 - —
Ocher, American golden, bgs., works lb. .01¼ .02¾
Zinc, bbls. same basis as chrome lb. .21 - .26
Yellow dock root, bls lb. .16 - .25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls lb .28 - .30
Yohimbine hydrochloride, vls....oz. 4.75 - 5.25

Z

Zein, bgs., 36,000 lbs., works lb. .30 - —
1,000 lbs. to 36,000 lbs. works lb. .32 - —
smaller lots, works lb .35 - —
Zinc acetate tech., bbls. dms lb .26¼- —
NF, dms. ..... lb. .41 - —
Borate, bgs., c.l., dlvd. E..... lb. .17½- —
l.c.l., dlvd. E ..... lb. .18½- —
Carbonate, purified, powd., dms. lb. .26 - —
tech., rubber makers, bgs., works lb. .10¾- .11¼
precipitated, powd. dms.lb. .26 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 7.70 - —
l.c.l., works 100 lbs. 8.10 - —
gran., bbls., c.l., works.100 lbs. 8.45 - —
l.c.l., works 100 lbs. 8.85 - —
solution 50% dms. c.l. works 100 lbs. 4.25 - —
l.c.l., works 100 lbs. 4.85 - —
tanks, works.....100 lbs. 3.60 - —
NF, gran., dms lb 42 —
Chromate (see Yellow, zinc).
Cyanide, kgs., works.....lb. .422 - .442
Dust, bbls., c.l., works.....lb .1225- —
dlvd. .....lb. .1250- —
l.c.l., works .....lb .1260- .1325
Fluoride, bbls., works .....lb. .40 - —
Hydrosulphite, dms. c.l., frt. alld. lb. .18¼- —
l.c.l. .....lb. .18¾- .20¼
Iodide, NF, jars.....lb. 4.85 - —
Laurate, bbls .....lb. .45 - .46
Linoleate solid 9½% bbls lb 42½- —
Metal, slabs, E. St. Louis lb. .15 - —
Naphthenate, liquid, 8% Zn, frt. alld lb. .20¼- —
10% Zn, dms., frt. alld lb. .26 - —
Oleate, fused bbls lb. .36 - —
Oxide, pigment, dom., acicular, bgs., c.l., dlvd lb. .14¾- —
l.c.l., dlvd lb. .15¼- —
American process, com'l, lead-free, bgs., c.l., dlvd lb. .14¾- —
l.c.l., dlvd.....lb. .15¾- —
Zinc oxide, pigment, dom., Amer. process, commercial, leaded, 5%, bgs., c.l., dlvd.lb. .14¾- —
l.c.l., dlvd.....lb. .15¼- —
35%, bgs., c.l., dlvd. lb. .14¾- —
l.c.l., dlvd.....lb. .15¼- —
50%, bgs., c.l., dlvd. lb. .14¾- —
l.c.l., dlvd.....lb. .15¼- —
French process, com'l, lead-free, bgs., c.l., dlvd. .....lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
green seal, bgs., c.l., dlvd..lb. .16½- —
l.c.l., dlvd.....lb. .17½- —
red seal, bgs., c.l., dlvd. lb. .16 - —
l.c.l., dlvd.....lb. .17 - —
white seal, bgs., c.l., dlvd. lb. .17 - —
l.c.l., dlvd.....lb. .18 - —
USP, ctns., c.l., dlvd.....lb. .17¼- —
l.c.l., dlvd.....lb. .18¼- —
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.
Phenolsulphate, dms. .....lb. .36 - —
Resinate, fused, 1% Zn, dms., frt. alld lb. .20 - —
precip., dms., frt alld.....lb. .22½- —
Silicofluoride, bbls., works....lb. .10, - .10½
Stearate, tech., USP, ctns., c.l..lb. .36 - —
ton lots.....lb. .37 - —
less ton lots.....lb. .38 - —
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld ... 100 lbs. 6.15 - —
l.c.l., same basis 100 lbs. 6.55 - —
flake, 23½%, Zn, bgs., c.l., works, dlvd 100 lbs. 4.80 - 5.35
l.c.l., works .....100 lbs. 5.75 - 8.25
Zinc sulphate, powdered, 36% Zn., bgs., c.l., dlvd., same basis..100 lbs. 8.25 - —
l.c.l., same basis....100 lbs. 9.00 - —
Zinc sulphate in bbls. 40c. higher
USP, gran., dms.....lb. .23 - .23½
Sulphide, pure, bgs., c.l., dlvd. lb. .20 - —
l.c.l., dlvd.....lb. .21 - —
Barium pigment, bgs., c.l., dlvd. lb. No prices.
l.c.l., dlvd.....lb. No prices.
Calcium, pigment, bgs., c.l., dlvd. lb. No prices.
l.c.l., dlvd ..... lb. No prices.
Luminescent pigment, dlvd lb. No prices.
Magnesium pigment, bgs., c.l., dlvd lb. No prices.
l.c.l., dlvd..... lb. No prices.
Zinc sulphide and pigment, Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.
Thionosulphonate, NF, gran., bbls., dms lb. .33 - .34
powd., bbls ....lb. .36 - .37
Undecylenate, dms.....lb. 1.90 - 2.00
Yellow (see Yellow, zinc)
Zinc-ammonium chloride, bgs., c.l., works..100 lbs. 7.35 - —
l.c.l., works .....100 lbs. 7.75 -10.25
Zinc-cadmium sulphide, fluorescent, cns., frt. alld lb. 2.00 2.80
Zinc-calcium resinate, dms., c.l., works lb. .1180- .1360
l.c.l., same basis..... lb. .1220- .14
Zinc-formaldehyde sulphoxalate, basic, dms., works. lb. .22½- —
normal, dms., works .....lb. .44 - —
Zircon (see Zirconium silicate).
Zirconium acetate 13% sol. ZrO_2, bbls. works lb. .21¼- —
Carbonate, basic, cake, bbls., works lb. .30½- —
Hydride cns. works.... lb. 7.00 8.00
Nitrate, dms., works lb 1.75 —
Oxide, 98½-99% white, grd., bbls. or bags, works lb 1.50 - —
lump, electric-fused, bgs., c.l., works lb. .44 - —
5 tons, works lb. 4½- —
1 ton or less, works lb. 45 .48
milled, electric-fused bgs., c.l., works lb. .59 —
5 tons, works lb. .59½- —
1 ton or less, works lb 60 .63
Oxychloride, cryst., ctns., 5 tons, works lb. .29½- —
Silicate, granular, bgs., c.l., works. lb. .03¼- .03¾
10 tons, works lb .03½- .04
5 tons, works .....lb. 04 -
1 ton or less, works.....bl .04¼- .04¾
milled, bgs. c.l., works.....lb 04¾- —
5 tons, works .....lb 05¼- —
1 ton or less works .... lb 05¾- .06¾
refined, bgs. c.l. works.....lb .11 —
works lb. 11 - —
5 tons, works lb. 11½- —
1 ton or less, works lb 12 .16
Sulphate, cryst. ctns., c.l., works lb. .37½- —
5 tons, works lb. .38 —
1 ton or less, works lb 38½- .39

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A Necessary Partnership

Although substantial improvement has been effected, there is still an imperative need for closer association and cooperation between business and government with relation to the economic aspects of the national welfare tomorrow and next year. Those aspects are, as is everything economic, an indefinite blend of political, social, and commercial problems. And they have been too long and too much neglected on both sides.

In respect of any association of government and business, the basic problem is that of satisfactorily determining the variety and the extent of the essential, reciprocal policy of give and take. That problem is made particularly difficult by the reluctance of both sides to look upon it with realistic objectivity. There is for example, today's governmental proposal of social-commercial economic controls. There can be no denying the value of such controls in principle. It is not so easy to regard them as desirable as a matter of practice. But, their necessity is beyond question in a realistic sense: something, somebody always gets out of control under a voluntary system. So, it is quite understandable and justifiable that business organizations are voicing protests against being put in a governmental straitjacket. But, it is equally clear that there should be a straitjacket for use whenever that became necessary.

The corollary is the question of who shall determine the nature of a control and especially the necessity to apply it. What should be done, and when, for example, in the face of the fact that many nationally necessary consumers of soda alkalies are obliged seriously to curtail their operations or to pay 8 cents a pound for soda ash and 12 cents for caustic soda in the mushrooming murky markets? Today has a score of problems; tomorrow may have a hundred, which can be solved in the best interest of the national welfare solely by association and cooperation of government and business. That partnership should be established, with full understanding and confidence, now.

What They Do Should Count

This week probably will see the completion of the congressional jobs incident to the current state of the national welfare. There is little reason to believe that the jobs will be well done. The hired lawmakers for the people of the United States are, apparently, more concerned with being kept in their jobs than with their performances therein. They want to go home and tell their constituents how necessary it is for all local interests that they be retained in office. Service of the nation in its domestic or its global requirements is of secondary importance. Any district which selects its representative in congress on the basis of what he tells it in the next two months, rather than on that of what he has done during the past two, does not deserve anything better than it will get.

Particularly difficult is it to foresee what congress will do with its big job of financing the needs of the nation in the next fiscal year. There is a growing acceptance of the desirability of paying as we go. But, the majority of the advocates of that course are not at all definite in their concepts of where we should go or what roads we should travel. For some uncertain, unexplained reason, many of the promoters of prompt policy making along pay-as-we-go lines asseverate the opinion that transfer of the extra money of the country from individual to governmental possession by confiscatory taxation is essential to the prevention of inflation. They seem to be wholly unaware—they are wholly inconsiderate—of the degree in which what government has done and is doing with its tax-begotten revenue has contributed to the shrinking of the value of the dollar.

So, it is not to be wondered why congress has difficulty in constructing a national financing program. Few of its members are competent to make their constituents believe that the government has had to take more money from them. Such a conviction is particularly difficult to instill in the members of that big majority of persons of medium means who have not had their incomes increased by governmental subsidy or statute. The popularly styled "white-collar class" is the sacrifice to those inflationary practices. It is enslaved in the support of governmental prodigality.

It is highly desirable that the functioning of government be on a c.o.d. basis. But, it is most desirable and most necessary that its functioning be measured to its reasonable means. There is little, if any, need at this time for the imposition of a heavier tax burden upon the people of the country as a whole. There are many places in which government spending can be curtailed without detriment to anything or anybody that is essential to the national welfare. A presidential "order" has gone out to agencies other than those of defense to terminate unnecessary expenditures. That means nothing. What agency chief would dare admit that he has been spending money unnecessarily? Even though the necessity exists solely by reason of politicomic pressure deriving from the need of somebody for a particular lot of votes, it works.

To the extent that current and expectable necessary government expenditures may demand more revenue for their contemporaneous meeting, recourse should be had to what the politicians are especially dodging—an extra profits tax. Such a tax should be laid on all abnormal increases of everybody's income in comparison with the preceding year. Those who get should give. The way to avoid an excess profits tax is simple, ethical refraining from gouging. That, in itself, would materially lessen the need for larger revenue, because it would not excessively increase necessary expenditures.

Congress will make a name for itself during the current month. What that name will be depends wholly upon how it meets the needs of the nation with due consideration for the whole of its people. And on that basis alone should the fitness of every candidate for a national legislative position be appraised.

Washington Talks It Over

—*Continued from page 5*

penicillin kills the organisms in the starter—and the starters won't start.

So far the scientists' only suggestion has been to discard the milk from penicillin-treated cows for a few days until the penicillin is gone. That, of course, is not a satisfactory solution so, they are working on ways of making the "starters" penicillin-proof.

Brazilian Bartering

Brazil is turning increasingly to barter trade, according to reports from Rio, as a means of disposing of export commodities that are becoming increasingly difficult to market abroad because of currency devaluations. It is estimated that during the three months of February-April, from 15 percent to 30 percent of total imports of Brazil were based on barter, and the scope of such transactions is expanding.

This system of trading was adopted by Brazil last November. Since then, the following commodities have been authorized for barter:—Cotton, tobacco, babassu oil, castor oil, frozen beef, rice, hides, yerba mate, lumber, sorva rubber, bristles, and cattle hoofs and horns. Spot authorizations can also be obtained for additional products not considered as important as these from the standpoint of the national economy. And the barter transactions are not limited to trade with the soft currency countries. Such transactions also are permitted with such hard-currency counties as the United States.

Barterable imports include such items as railroad and highway equipment, truck chassis, agricultural machinery and equipment, jeep-type motor vehicles, and such durable consumer goods as refrigerators and watches. In certain instances the products to be traded under barter are linked; a recent announcement specified that imports of railway and highway equipment and truck chassis would be approved against exports of babassu and castor oils.

Dope Arrests Increased

Treasury agents were on the move in the last fiscal year, making more arrests but fewer seizures for violations of the narcotic and marihuana laws.

Reports of the narcotics bureau and the customs service show that 3,452 ounces of narcotics were seized in fiscal 1950, compared with 5,030 ounces taken in the previous year. While seizures of illicit narcotics in internal traffic remained almost constant in volume, opium, heroin, morphine, and cocaine taken at ports and borders dropped from 3,304 ounces in 1949 to 1,754 in 1950.

Seizures of marihuana remained exceptionally high, 45,933 ounces having been taken during the year, a slight decrease from the record figure of 49,779 ounces accounted for in 1949. Over 33,000 ounces was taken at ports and borders.

Arrests for violations of both the narcotic and marihuana laws increased from 4,803 to 5,851.

OPD Forum

An Outlet for Individual Opinion

(Anonymous communications will not be recognized, but a signer's name will be withheld at request.)

Pyrethrum Outlook

The Editor,
OIL, PAINT AND DRUG REPORTER.
Sir:—

Much has been written during recent months concerning the development of the erroneously called "synthetic pyrethrins"; more precisely, the allyl homolog of cinerin I, trade-named "Allethrin".

It has been suggested in certain news reports that the advent of this possible substitute for the natural product has thrown pyrethrum producers into a state of uncertainty and even panic. Nothing could be further from the truth insofar as growers in East and Central Africa are concerned. There is, in fact, more confidence in the future of pyrethrum today than there has been for many years past.

This optimistic view has not been taken without cause; cause derived from the natural characteristics of pyrethrum itself and from careful and diligent planning over a number of years. Pyrethrum has always had the reputation of being a "safe" insecticide; it can be used without fear of toxic hazard wherever insecticidal application is required—in food stores, dairies, kitchens, and in fact, wherever human habitation is practiced or food for human consumption is grown, processed, or stored. The synthesis of the active ingredients of pyrethrum has been anticipated by producers in Africa for some time; the work of Dr. S. H Harper at King's College, London, and of Dr. F. B. La Forge, of the United States Department of Agriculture, has not proceeded without notice. It was apparent from Dr. Harper's original paper on the subject that even partial synthesis would prove to be difficult and that, if synthesis could be achieved, commercial manufacture would be intricate and costly.

Five years ago, in 1945, a program of agronomic research and experimental work was launched by the pyrethrum producer organizations in Africa, with a view to raising the already high quality of African pyrethrum to meet increasing competition from the synthetic materials developed during the war years—D.D.T., B.H.C., etc. This work, which was carried out at six agricultural experimental stations in all, included plant selection and breeding work on over 1,200 different strains of pyrethrum in an endeavor to increase yields per acre and pyrethrin content.

Even during the period mid-1946 to mid-1948, when over 80 percent of production remained unsold due to the release of war stockpiles and severe competition from newly developed and widely publicized chemical insecticides, confidence in the future was such that the high-costing research program was intensified rather than restricted.

The United States Department of Agriculture's announcemen that one of the active principles of pyrethrum had been synthesized coincided with a large measure of success in the plant breeding program in Kenya; a strain of flowers had been produced, which gave, at the medium and lower altitudes, a 60 percent higher yield per acre than existing strains, with a 40 percent increase in pyrethrin content. Two months later a high altitude strain was isolated which showed a 200 percent increase in average yield with a slightly higher pyrethrin content than normal. At that time no more than a few hundred plants of these new strains existed; due to the development of a vegetative propagation technic by agricultural officers attached to the Kenya Department of Agriculture, there are now several acres of plants from which seed will be taken and issued to growers this year.

Simultaneous with the agronomic and plant breeding work at the experimental stations, chemical research has proceeded at private and government laboratories in Kenya, Tanganyika, and the Belgian Congo. During 1949, means were discovered of reducing the loss of pyrethrins in transit; losses which had been as high as 20 percent in past years, were reduced by more than two-thirds.

In an endeavor to induce growers constantly to improve their flower strains, grading by chemical analysis was introduced in September, 1948, payments to growers being based on the actual pyrethrin content of flowers delivered. This innovation has been more than justified, as not only have growers reacted as anticipated, but the monthly analysis of samples taken from each grower's deliv-

—*Continued on page 14*

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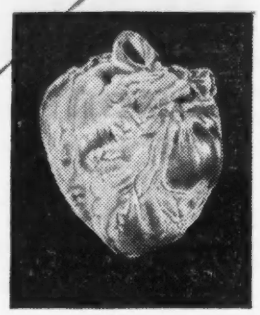

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Heavy Chemicals

Acid index moved upward to 122.3 last week from 122.2 in the preceding period. Advances included lead peroxide, magnesium oxide, platinum and muriatic acid and were the results of an active demand and increased producing costs. Tin metal declined under a relaxation of buying interest and lower prices were recorded for tin chloride, crystals, sulphate, tetrachloride and sodium stannate. Quicksilver was firm with a tendency to advance. Zinc and lead were both strong while copper continued firm and held a split quotation. Antimony metal advanced and washed gravel fluorspar was priced higher. Lead also moved upward.

General demand continued active with tight spots arising in many directions on account of the prolongation of the alkali strike. There was no easement in the supply of sulphuric acid with inquiry exceedingly active. Muriatic acid was not as tight as sulphuric but was slanting in that direction. An appreciable increase in demand for glacial acetic acid has brought available stocks to a low level. The chlorine supply remained critical with soda ash, caustic soda and all the affiliated chemicals in practically the same condition. Some producers have advanced the price of copper sulphate while others have not altered former quotations. Demand was still ahead of nickel sulphate production. Suppliers of caustic potash and potassium carbonate are confining shipments to contract consumers.

Paper production based on a percentage of six-day capacity was 107.6 percent for the week ending August 26, according to the American Paper and Pulp Association. This compared with 105.6 in the preceding week and 90.3 for the corresponding week in 1949.

Production figures appearing below, unless otherwise designated, are from the Chemical Division of the Tariff Commission.

Arsenic—Importations during May were down to 1,234,000 pounds, a decline of 38 percent from April and the lowest for any of the first five months of this year.

Bauxite—Domestic mine production of bauxite in the second quarter of 1950 totaled 359,938 long tons (dried equivalent), the greatest output for a three-month period since the end of 1948, according to the Bureau of Mines. Total production of Alabama and Georgia bauxite declined in the second quarter, as a large producer ceased operation of its mines in the Andersonville district of Georgia. Total imports of bauxite on an as shipped basis increased in the second quarter despite a decline from Surinam, the largest foreign source. Receipts from both Indonesia and British Guiana gained, the former to a record high level. Exports to Canada decreased 5 percent.

Carbon Bisulphide—June production was slightly higher than in May. June showed 20,039,857 pounds against 19,768,282 in the preceding month.

Carbon Tetrachloride—Definitely tight with producers allocating stocks to regular customers. The current chlorine shortage has seriously affected output. June production amounted to 20,039,857 pounds, against 19,768,282 in May.

Chlorine—Continued in critically short supply and is expected to remain definitely tight until the strike-bound plants resume operations on a normal basis. The shortage is having a serious effect on production of chemicals processed with chlorine.

Copper Sulphate—At least two producers have advanced prices but one important supplier has not followed through. The advances named include 55c. per 100 pounds for crystals and the split quotation is $8.10 to $8.65 for carlots works while the range on l.c.l. quantities is from $8.35 to $9.65 per 100. Other advances include monohydrate 70c. per 100 pounds and $1.10 on tribasic. The market is working toward a better supply condition but has not reached a normal state to date.

May exports amounted to 6,347,000 pounds and were high for any of the first five months. Practically all of the shipments were to western hemisphere countries.

Lead Peroxide—Priced higher at 40c. per pound for 10 barrel lots of technical and 41c. for single barrels. The upward revision is the result of the recent advance in metallic lead.

Magnesium Oxide—Prices have been advanced $5 per ton for chloride free, chemical grade and rayon grade. This makes prices for unground material $69.50 per ton in carlots and $79.50 for l.c.l. Ground or regular 90 percent minimum 200 mesh is priced at $72.50 per ton in carlots and $82.50 for l.c.l. f.o.b. works freight equalized.

Potash, Caustic — Producers operating are confining shipments to regular contract consumers and are not in a position to take on new business at the present time. Difficulty is also being experienced in securing sheet steel for drum containers.

Potassium Carbonate—No easement in the supply of domestic material is expected until at least a month after a strike-bound plant resumes operations. Like caustic potash other plants are confining shipments to contract consumers.

Soda Ash—Supply situation continued definitely tight with producers holding shipments to regular contract consumers. Partial operations at strikebound plants at Baton Rouge and Detroit permitted a scanty flow of light ash in bulk to reach consumers but the large consuming industries have been seriously inconvenienced by the prolonged shortage. The fact that machinery is in working order at these plants suggests a quick return of output upon a strike settlement.

Soda Caustic—Stocks short with shipments confined to contract consumers and quotas being cut to insure equitable distribution. Production down on account of prolonged labor difficulties at four important plants.

Alkali works in England and Wales decomposed 66,785 tons of salt in 1949, compared with 67,768 tons in 1948. The comparative average efficiencies were 95.8 percent and 95.1 percent.

Tin Salts—Lower prices followed the decline on metallic tin. The breakdown shows tin chloride stannous anhydrous at 85.10c. to 86.10c. per pound, crystals hydrous 70c., sulphate stannous 96.07c. to 97.07c. and tetrachloride anhydrous at 59.5c. to 60.5c. per pound, all f.o.b. works. Sodium stannate 56.4c. to 60.5c. per pound freight allowed East.

Acids

Acetic—Increased demand from rayon mills, chemical plants and miscellaneous consumers has tightened the supply position of glacial and the market has developed a strong tone. It was stated some sizable inquiries are in the market uncovered. The withdrawal of a producer earlier in the year has contributed to the current scarcity. June production of acetic acid amounted to 35,854,372 pounds of synthetic, compared with 39,246,194 in May. The recovered acid in June totaled 168,839,818 pounds, against 173,249,908 in the preceding month. Output of natural in June was 1,778,416 pounds, compared with 1,765,767 in May.

Muriatic—Higher prices have been established for tankcars. The breakdown shows 18 degree baume at $22 to $23 per ton, 20 degree $25 per ton and 22 degree $30 per ton works, freight equalized with recognized competitive points. Some producers have made a slight advance in carboy prices, others have made no change. Miscellaneous demand has increased sufficiently to create a shortage for nearby shipment and the supply situation at the close of the week was tight with a tendency to get tighter.

Sulphuric—No indication of easement from the tight supply position. Demand

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Antimony metal, 4c. per lb.
Fluorspar, washed gravel, $1 to $2 per ton.
Magnesium oxide, $5 per ton.
Lead, metal, 1c. per lb.
Peroxide, 2c. per lb.
Muriatic acid, tankcars, $2 to $3 per ton.
Platinum, $13 per ounce.

Prices Reduced

Sodium stannate, 1.30c. per lb.
Tin chloride, 3.30c. per lb.
crystals, 3½c. per lb.
metal, 2½c. per lb.
sulphate, 3.20c. per lb.
tetrachloride, 2½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Dec. 30, 1949	Sept.2, 1949
225.5	225.5	223.4	216.4	222.4

Acids

Last week	Prev. week	Last month	Dec. 30, 1949	Sept.2, 1949
122.3	122.2	121.9	121.8	121.8

(*For Current Prices see Page 9*)

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- Citric Acid
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- Ethylene Trithiocarbonate
- Silicon Tetrachloride
- Sodium Hydrosulphide
- Sulphur — Soluble (Specially processed for all industrial and agricultural uses)
- Sulphur — Insoluble (For rubber compounding and other uses)
- Sulphur Chloride
- Tartaric Acid
- Textile Stripper
- Titanium Tetrachloride
- Toxaphene (Chlorinated Camphene)

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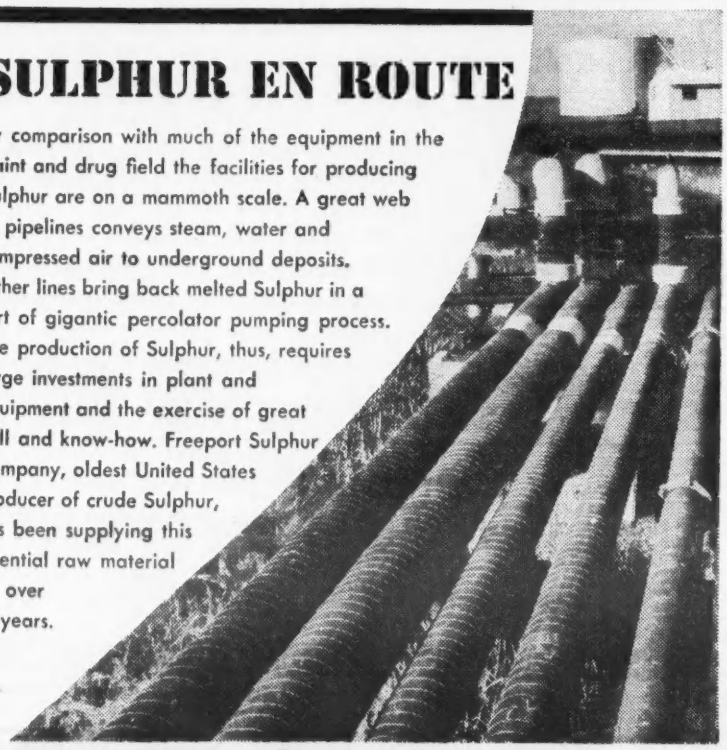

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continued exceedingly heavy with production over-taxed. Inquiry for aviation gasoline and for use in the titanium industry held at an unusually high level.

Nonferrous Metals

Aluminum — Recovery of secondary aluminum from scrap in 1949 totaled 180,762 short tons, valued at $57,012,335, a decrease of 37 percent in quantity from the 286,777 tons valued at $83,165,330 reclaimed in 1948, according to the Bureau of Mines. Of the recoverable aluminum content of nonferrous scrap consumed in 1949, 99 percent was contained in aluminum scrap and 99 percent of the total secondary aluminum recovered was reclaimed in aluminum-base products. In other words most aluminum-bearing scrap was used in aluminum products. The proportions were about the same in other years.

Antimony—Priced higher at 28½c. per pound for carlots bulk at the mines, a net increase of 4c. per pound.

Cobalt—Consumption of cobalt by industrial consumers was 1,749,764 pounds in the second quarter of 1950, an increase of 11 percent over the preceding quarter, the Bureau of Mines states. The largest single use for cobalt in the second quarter was for magnet alloys, which utilized 32 percent more than in the preceding quarter and accounted for 44 percent of the total cobalt consumed. The second-largest use was for cast cobalt-chromium-tungsten alloys, which accounted for 19 percent of the total consumed and utilized 2 percent more than in the preceding quarter. More cobalt was also used in cemented carbides, ground-coat frit, and pigments. These gains, however, were partly offset by smaller usage of cobalt in high-speed and other cobalt-alloy steels and in alloy hard-facing rods and materials.

Copper—Maintenance of heavy demand and limited available stocks have created a strong market situation. While some sellers are holding electrolytic at 24½c. per pound, others have not changed from 22½c. delivered Valley and Midwestern points. It was stated that most of the business placed was at the higher figure.

Lead—Prices have been advanced 1c. per pound, establishing the market for the common grade at 15c. per pound, New York, and 14.80c. at St. Louis. Supply position has continued tight with demand active.

Molybdenum—Bureau of Mines states that domestic production of molybdenum concentrates was 6,158,800 pounds (contained molybdenum) in the second quarter of 1950, an increase of 6 percent over the preceding quarter. Shipments of concentrates in the second quarter comprised 5,813,700 pounds to domestic consumers and 1,229,100 pounds for export, compared with 5,792,700 pounds (revised figure) to domestic consumers and 1,802,300 pounds (revised figure) for export in the first quarter. Molybdenum concentrates were produced in six states in the second quarter; Utah led followed in order by Colorado, Arizona, New Mexico, Nevada, and California.

Consumption- of molybdenum concentrates in the second quarter of 1950 was 5,576,400 pounds (contained molybdenum) compared with 5,548,500 pounds (revised figure) in the first quarter. Stocks of molybdenum concentrates held by industry were 16,737,400 pounds (contained molybdenum) on June 30, 1950, compared with 17,628,300 pounds (revised figure) on March 31.

Platinum—Priced highner at $87 per ounce for large quantities and $90 for small lots. Increase in demand for war industries was the primary influence for the upward revision.

Quicksilver — Market firm with stocks short and demand active. It was stated that some sellers have withdrawn from the market temporarily and others are holding firm at $80 per flask for large lots and $82 for small quantities both spot and nearby arrivals.

Silver—Market continued firm but unchanged over the turn of the month. Bullion was priced at 72¾c. per ounce in the New York market.

Tin—Buying support relaxed and prices declined last week. The trend followed London where trading was relatively quiet.

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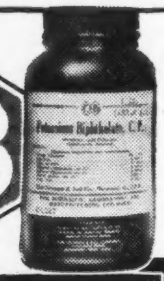

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The decline appeared to stem from an announcement by the Reconstruction Finance Corp., U. S. Government tin selling agency, that it had 10,000 tons of low grade tin, which it would sell at a discount of three-quarters of a cent for carload lots, and one-half cent a pound on smaller shipments, based on the average quotation for Grade "A" tin in the week following shipment. The prevailing price at the close was 98½c. per pound for Grade A.

Zinc—Short stocks and heavy demand kept this market in a strong position. Prime western firm at 15c. per pound East St. Louis basis.

Stauffer Shifts Weiford

L. Douglas Weiford, in charge of government relations from the Stauffer Chemical Company, has been transferred from the New York office to Washington, D. C. In addition to his government work, Mr. Weiford will handle sales development work in the nearly adjacent states. He will make his headquarters at 7210 Ramsgate road, Washington 16, D. C. Telephone will be Oliver 1878.

Trade Briefs

International Paper Company has announced plans to build a $500,000 office and paper milk carton factory in Atlanta, Ga., which is scheduled to get into operation by early next Spring.

Donald E. Laskowski has been awarded an industrial research fellowship in the chemistry and chemical engineering department at Armour Research Foundation of Illinois Institute of Technology, Chicago.

Geological Survey Issues Mexican Antimony Report

Studies dealing with an important source of antimony in Mexico's El Antimonio District, undertaken by the Geological Survey in cooperation with the Instituto de Geologia de Mexico, are now available in published form, it was announced last week by Secretary of Interior Oscar L. Chapman.

The report includes a study of the geology of the area in relation to the deposits; a study of associated metals and non-metals; a survey of existing mines, history, past production estimates, and mining methods now in use; together with recommendations regarding the future development of the area. The publication is listed as Geological Survey Bulletin 962-B, obtainable from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., at 70 cents a copy.

Foote Mineral Adds Two

Dr. Holger C. Anderson, formerly research and development director for Hastings & Co., Philadelphia, and Lawrence J. Reader, formerly senior inorganic research chemist with General Chemical Company and Wyandotte Chemical Corporation, have joined the staff of the reseach laboratories of Foote Mineral Company, Philadelphia. L. H. Belz and Harvey Stewart, jr., also have been added to the research and development staff.

Wroughton Advanced

Dr. Donald M. Wroughton has been appointed manager of chemistry research at Westinghouse Electric Corporation's atomic power division. Dr. Wroughton, who was involved in the refining of uranium for the first atomic bomb, succeeds Dr. E. Bruce Ashcraft, who has been named advisory engineer in the chemical department of the company's East Pittsburgh, Pa., research laboratories.

Stompe Joins Diamond Match

The election of Albert W. Stompe as vice-president in charge of sales of the Diamond Match Company was announced last week. He resigned as general sales manager of the Marathon Corporation, Menasha, Wis., to accept the post at Diamond. He had been associated with Marathon since 1927.

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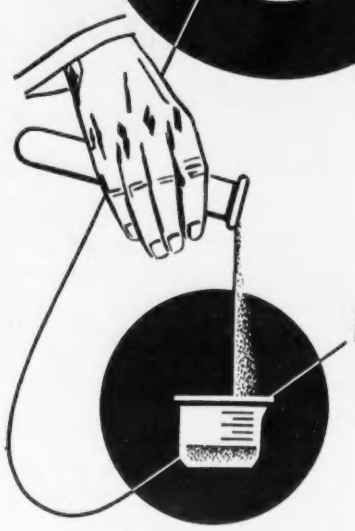

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Obituaries

E. W. Colledge, sr.

E. W. Colledge, sr., who retired as president of the E. W. Colledge Company July 1, and who had been prominent in the naval stores industry for thirty-eight years, died in Jacksonville, Fla., last month. He was fifty-nine years old. Mr. Colledge founded the company bearing his name twenty-nine years ago.

Harry C. Hanzen

Harry C. Hanzen, for the past fifteen years director of the Miketon Oil Company and the 15 Oil Company, died August 26 in Kerrville, Tex. His age was sixty-six.

Dr. Harcourt A. Morgan

Dr. Harcourt A. Morgan, entomologist and zoologist, a member of the Tennessee Valley Authority and a former president of the University of Tennessee, died August 25 in Belfast, Tenn. He was eighty-two years of age.

Clarence I. Phillips

Clarence I. Phillips, one of the original stockholders of the Glidden Varnish Company (now the Glidden Company), Cleveland, Ohio, died August 25 in Chesterland, Ohio. He was seventy-eight years old.

Edwin J. Schabel

Edwin J. Schabel, associated with the purchasing department of the Sherwin-Williams Company, Cleveland, Ohio, for more than twenty years, died August 24 in that city. He was fifty-seven years of age.

Dr. Loyal A. Shoudy

Dr. Loyal A. Shoudy, medical director of the Bethlehem Steel Company, Bethlehem, Pa., died August 30 in that city. He was seventy years old.

Dr. Shoudy became the first industrial physician upon joining the Bethlehem concern in 1914. He was widely known for his work to reduce heat exhaustion among workers and for the introduction of the standard salt tablet.

Eugene P. Thomas

Eugene P. Thomas, for the past eighteen years president of the National Foreign Trade Council, died August 23 in New York.

Mr. Thomas was president of the United States Steel Products Company from 1911 to 1928. He became vice-president of United States Steel Corporation in that year, a position which he held until 1932, at which time he assumed the presidency of the National Foreign Trade Council. He was economic adviser on the United States delegation to the Eighth International Conference of American States, held in Lima, Peru, in 1938. He also served the government in advisory capacities at the Inter-American Conference in Mexico City, Mexico, in 1945; at the United Nations Conference in San Francisco, Cal., the same year, and at the United Nations Conference in Havana, Cuba, in 1948.

Horace Atwood, authority on poultry husbandry and professor emeritus of West Virginia University, died recently in Stuart, Fla. He was eighty-two years old. Before his retirement, several years ago, Professor Atwood did agricultural research at the university for more than a half century.

Joshua A. Cope, extension professor of forestry at Cornell University for a quarter century, was found dead August 26, near Ithaca, N. Y. He was sixty-two years of age. Before joining the faculty of the College of Agriculture at Cornell, Professor Cope was associated with the United States Forestry Service for several years, and from 1918 to 1924 was assistant state forester for Maryland.

Becher R. Gale, vice-president and general sales manager of the Rexall Drug Company, died August 24 at his summer home near Gravenhurst, Ont., Can.

Lawrence S. Hewes, president of and general manager of the Rubberset Company, Ltd., Gravenhurst, Ont., Can., died August 30 at his home in that city. His age was fifty-five. Mr. Hewes joined Rubberset, a subsidiary of Bristol-Myers Company, in 1919. During World War II he was director of the brush division of the Canadian Wartime Prices and Trade Board.

Fred A. Percival, manager of the Amalgamated Paint Company, New York, died August 28 in that city. He was sixty-seven years old. Mr. Percival had been with the paint concern for thirty-five years.

Aubrey W. Schofield, acting manager of Kuwait Oil Company, middle east subsidiary of Gulf Oil Corporation, was killed, August 31, in a plane crash in Egypt. He was fifty-two years old.

Textile and Leather Chemicals

Conditions in textile and leather chemicals continued on a firm basis last week. Consuming demand kept up in good volume for most materials. The price structure was strong, with little change. Sulphonated castor oil was raised 1½ to 3 cents per pound due to the increased cost of the basic oil and potato starch also was higher for spot delivery.

There was no improvement in the tight supply condition of bichromates and sodium hydrosulphite due to scarcity of soda ash. Other chemicals remained firm and in adequate supply.

Sizing materials continued to move steadily into consuming channels for prompt needs, with consumers showing more interest in requirements during the next sixty days. This was especially true of corn dextrin and starch and potato starch. Production of the former items were sold up with delivery delayed from one to three weeks. Supplies of potato starch were sufficient to meet the current demand. Sago flour was in light supply on spot and prices were firm due to the high cost of replacements.

While demand for tanning materials was spotty, tanners have been purchasing hides in large volume at higher prices to insure adequate supply to cover the active demand for leather.

Woolen and worsted woven fabric (except felt) production in 1949 totaled 414,000,000 pounds, 17 percent less than the output of 498,000,000 pounds in 1948. Consumption of raw wool on the woolen and worsted systems was 500,000,000 pounds on a scoured basis in 1949, compared with 693,000,000 pounds in 1948.

Market Trends

Prices Advanced

Castor oil, sulphonated, 1½c. to 3c. per lb.
Potato starch, on spot, ¼c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept.2, 1949
253.4	253.4	248.7	286.0	315.1

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride—Steady consuming demand and high cost of basic materials, kept this market strong. Quotations were without change and firm.

Bichromates — Tight supply condition continued to feature this market. Production was readily absorbed and additional business was turned down as makers allocated material to regular customers. Prices of all grades were unchanged and firm. Resale material was held well above producers price schedules, depending upon quantity and seller.

Sodium Acetate—Active demand was noted for prompt delivery. Inquiry was good for later requirements. Prices were unchanged and steady.

Sodium Hydrosulphite — Scarcity of stocks continued to restrict business. Production was sold ahead and new orders were turned down, as producers limited sales to regular customers. Quotations were firm and without change.

Sulphonated Oils—Increased cost and scarcity of castor oil raised sulphonated grades 1½c. per pound. Sulphonated, 50 percent was lifted to 13½c. to 14c. and 75 percent to 18½c. to 19c. per pound, drums, as to quantity. Sulphonated tallow was firmer with advance of the basic material, though the price was unchanged.

Sizing Materials

Albumin Blood—Consuming demand was active and orders for a good volume was placed for prompt requirements. Albumin and dried soluble blood were firm at unchanged prices.

Corn Dextrin — Active demand was noted for prompt and forward delivery. Production was sold up and deliveries were reported several weeks behind schedules. All grades were quotably unchanged. Orders were accepted only at the market price on the date of shipment.

Corn Starch—Consumers continued to absorb sizable quantities for prompt requirements. Orders of late aggregated a large volume. Prices of all grades were strong and unchanged. New business was accepted only at the market price on the date of shipment. Visible corn supply declined 886,000 bushels to 38,040,000 bushels for the week ended August 26, compared with 5,752,000 bushels for the corresponding week last year, according to the Chicago Board of Trade.

Egg Albumen — While trading was spotty, the market remained unchanged and steady. Supplies of edible flake were adequate to cover demand and maintained at $1.32 to $1.35 per pound, according to quantity. Powdered was held at $1.39 to $1.41 per pound, same basis. Technical was in light demand ranging from 75c. to 80c. per pound, as to quantity and quality.

Dried egg production during July totaled 11,098,000 pounds, compared with 6,401,000 pounds in July last year and the 1944-48 average of 14,320,000 pounds. Output in July consisted of 10,690,000 pounds of whole egg, 240,000 pounds of dried albumen and 168,000 pounds of dried yolk. The government contracted for 78,527,626 pounds of dried whole egg through August 25 for egg price support purposes. Production of dried whole egg for the first seven months of 1950 totaled 74,757,000 pounds, compared with 54,055,000 pounds during the same period last year. Liquid egg produced during July amounted to 58,475,000 pounds, against 42,209,000 during July last year and 74,247,000 pounds, the 1944-48 average. Compared with last year egg drying operations were on a relatively high basis and accounted for the increase in liquid egg produced. The production of 17,748,000 pounds of frozen eggs in July was about 4 percent less than during July last year and about 35 percent less than the average production of 27,469,000 pounds.

Egg Yolk — Trading was moderate, chiefly for prompt needs. Prices were firm as stocks on spot were limited. Domestic yolk was quoted at $1.22 to $1.25 per pound, as to quantity. Chinese yolk was well held on the spot at 87c. to 90c. per pound, duty paid, according to quantity and seller. Production of domestic yolk was indicated at 168,000 pounds in July, against 152,000 pounds for the same month last year.

Potato Starch—Fairly active trading continued for carlots and lesser quantities for spot and prompt requirements. Market was unchanged and steady at 5¼c. per pound, carlots, f.o.b. Maine and Idaho mills. Consumers showed active inquiry for forward delivery and a moderate volume of business was reported for late September and October needs. Stocks on spot were higher at 7½c. to 7¾c. per pound, ex warehouse, as to quantity. Government owned starch was available at 4½c. per pound, 200-pounds bags, f.o.b. Maine shipping point.

Sago Flour—This market remained strong. Offers for shipment from the Far East were light and firmly held at 7c. per pound, ex dock. Stocks on spot were maintained at 7½c. to 7¾c. per pound, as to quantity.

Tapioca Flour—Owing to lower cost, Siamese flour received more attention of late than Brazilian. Low grade Siamese was in active demand for shipment and was firm at 4.90c. per pound, ex dock. Higher grade also was steady at 5¾c., same basis. Interest in Brazilian was moderate, chiefly for spot delivery. Brazilian high grade was unchanged at 7c. to 7¼c. per pound, as to quantity; mediums, 6¾c. to 7c. and low, 6c. to 6¼c., ex warehouse.

Tanning Materials

Chestnut Extract—The importation of 1,200 bags of extract reported in our last issue was an error. The material was cutch and not chestnut extract. Demand for chestnut extract was reported fair for prompt delivery. Prices were unchanged and steady.

Cutch—Offerings for shipment were moderate and well held at current levels. Buying interest was fairly active. Arrivals totaled 1,200 bags at New York, during the previous week.

Mangrove Bark—Fair inquiry was noted for South American bark. Shipments were steady and available at former quotations. Offers for shipment were not liberal. Imports totaled 1,550 bags at New York last week.

Quebracho Extract — Conditions continued on a steady basis. Offers for shipment were maintained at current prices. Tanners displayed a good inquiry for prompt shipment and were carrying larger inventories than heretofore. Arrivals amounted to 6,020 bags at New York last week.

Wattle—This market was firm, reflecting the scarcity of available stocks of bark and extract for prompt shipment. Prices of both bark and extract replacements were unchanged.

For Late Market Developments, See Page 4

Mutual Bichromates

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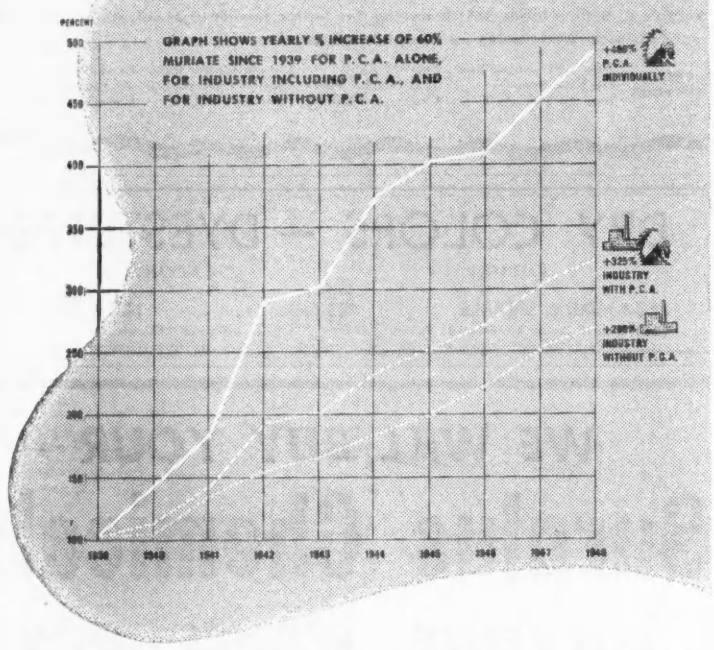

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Agricultural Chemicals

Prices for dried blood and tankage responded to increased buying for stock-feed use and both markets closed the week at higher levels. Bone meal developed a firmer tone but did not advance. Good catches of menhaden featured the peak of the fishing season and stocks of meal were freer with a possibility of shading former prices. No additional offerings of castor pomace reached the market although inquiry was active. Nitrogenous process tankage continued tight with production being allocated in this area.

Basic fertilizer chemicals remained firm. Normal superphosphate was quiet with indications of an increase in shipments particularly to Midwestern sections. Maintenance of high potash production has permitted heavy shipments from works with buyers endeavoring to increase commitments. Ammonium sulphate was inclined to tighten over the turn of the month although coke-oven material held a satisfactory degree of balance over the past month. Canadian ammonium nitrate will be advanced September 15. In the pesticides, BHC and DDT remained firm and tight with more producers advancing prices for the latter.

Totaling close to 451,000 short tons, fertilizer exports from the United States during June were almost 75 percent higher than in June, 1949. Significant gains reported for ammonium sulphate and Florida land pebble rock more than offset reduced shipments of other types of rock, ammonium nitrate and normal superphosphate.

Export-import statistics below were prepared by the Census Bureau and summarized by the National Fertilizer Association.

Market Trends

Prices Advanced

Dried blood, 50c. per unit of ammonia. Tankage, 50c. per unit of ammonia.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept. 2, 1949
82.2	82.2	82.2	81.6	81.6

(For Current Prices see Page 9)

Nitrogenates

Ammonium Nitrate — Supply position tight. June imports totaled 14,243 tons, compared with 20,497 in May and 5,380 in June 1949. Domestic and Canadian production is heavily sold ahead on contract. Canadian will be advanced to $63 per ton works on September 15.

Ammonium Sulphate—Production finding a steady outlet through contract channels. The market held a fair degree of balance throughout August but stocks were inclined to tighten at the turn of the month. June exports were high for the second quarter. The total amounted to 123,961 tons, against 114,562 in May and 32,683 tons in June last year.

Production of ammonium salts in England and Wales totaled 1,188,100 tons (25% NH_3 basis) in 1949; production of concentrated ammonia was 1,310,900 tons (same basis). The synthetic process accounted for 76.5 percent and 94.4 percent, respectively.

Castor Pomace — Inquiries increasing, no additional offerings on the market. Last sales $32.50 per ton, bags, carlots works.

Cyanamid — June imports totaled 2,606 tons, compared with 2,076 in the preceding month and 5,689 tons in June 1949. Production heavily sold on contract.

Dried Blood—Prices responded to an improved demand from feeders and the market closed the week higher. New York quoted $8 per unit of ammonia and Chicago $8.50.

Fish Meal—Menhaden fishing operations about at their peak and production relatively large. Sellers quoted $135 per ton, Baltimore area although the market did not appear firm at that figure.

Sodium Nitrate—Importations in June totaled 40,269 tons, compared with 103,322 tons in May and 66,791 in June 1949. Demand fair for top-dressing requirements.

Tankage—Priced higher with a better demand for stock-feed use. New York named $8.25 per unit of ammonia and Chicago $8.75.

Phosphates

Phosphate Rock—Exports of Florida hard rock in June totaled 2,798 tons, compared with 57 for June, 1949. Exports of land pebble were 231,562 tons, against 54,512 for the corresponding month last year. Foreign shipments of other rock amounted to 43,735 tons against 83,467 in June, 1949. Contract shipments to regular consumers accounted for the week's movement.

Superphosphate—Market quiet for normal with prices steady. June exports of normal amounted to 9,268 tons, compared with 14,594 in May and 20,687 tons in June, 1949. Exports of triple were 2,122 tons in June, against 1,660 in the preceding month and 2,196 tons in June last year. It is stated that increased production of triple is underway and it is expected that next year, capacity will be able to level off all requirements.

Potashes

Production holding at capacity levels with users endeavoring to increase commitments. June imports were down to 602 tons of muriate, compared with 10,744 in May and none in June last year. June exports were 6,619 tons of muriate, against 9,335 in the preceding month and 7,951 in June, 1949.

Los Angeles Fertilizer Market

Los Angeles.—Agricultural chemicals moved at a slow pace on the local market last week. The general trend is towards a tighter market for many items, including ammonia nitrate, ammonia sulphate and ammonia phosphate. The present picture is one of previous commitments for existing supplies. A recent drop in the price of blood meal in the middle East renders local conditions soft with limited interest. Fish meals, both tuna and sardine, show a further weakening. Superphosphate continues on the tight side with only limited demand reported through the week. Fertilizer grade tankage was slightly firmer than last reported.

Ruling prices were:—Ammonia nitrate, $69.94 per ton, domestic, f.o.b. Los Angeles. $70.93 per ton, Canadian material, f.o.b. Los Angeles. Ammonia phosphate, $65.15 per ton for 16 20 grade, f.o.b. Los Angeles. $89.65 per ton for 11/48 grade, f.o.b. Los Angeles. Canadian material. Ammonia sulphate, $49 per ton bagged, f.o.b. Los Angeles. Canadian material same in bags, $2.50 less for bulk. Blood meal, $6.50-$6.75 per unit of ammonia at source. Bone meal, $70 per ton nominal for imported, steamed, 1 30 meal, f.o.b. Los Angeles. $70 per ton for domestic, f.o.b. Los Angeles. Fish meal, $136.50-$146.25 per ton for 65 percent sardine, f.o.b. Los Angeles. $120-$126 per ton for 60 percent tuna, f.o.b. Los Angeles. Nitrate of soda $53 per ton in 100-pound bags, f.o.b. Los Angeles Harbor. $48 per ton in bulk. Potash muriate, 48½ cents per unit bulk, f.o.b. Trona basis. Potash sulphate, 95 to 98 percent K_2SO_4, 84c. per unit, f.o.b. Trona. Superphosphate, $23.20 per ton for bulk, f.o.b. Los Angeles area. $2.50 extra for bags. Triple, $68.50 to $72 per ton for bulk, 47 percent a.p.a., f.o.b. Los Angeles. Tankage, wet rendered, fertilizer grades, $5.00-$5.50 per unit of ammonia at producing plant.

Pesticides

BHC—Continues exceedingly tight with producers having difficulty in securing chlorine and benzol. Demand remains active with buyers making inquiry for 1951 shipments. June production was placed at 5,710,524 pounds, compared with 5,382,736 in May. The isomer content of BHC in June was 750,674 pounds, against 728,340 in the preceding month.

2, 4-D—Market quiet and steady. June production totaled 1,230,931 pounds, compared with 1,457,901 in May.

DDT—Definitely tight with the critical situation in chlorine seriously affecting production. Another producer has anvanced the carlot price to 36c. per pound. June production amounted to 6,026,209 pounds, compared with 6,673,392 in the preceding month.

Methoxychlor—There was no shortage of this material during the season. Production was sustained at a level to meet requirements and the price remained steady at 65c. per pound in drums works for 50 percent solution to dealers.

Pyrethrum — Tanganyika's 1950 pyrethrum crop is forecast at 360 long tons, compared with 259 tons in 1949, according to preliminary estimates of the Territory's Department of Agriculture. The derris crop is estimated at 10 tons—the same as in 1949.

Rotenone—May imports were placed at 956,000 pounds according to the Department of Commerce. Practically all of this was cube root from Peru and brought total imports for five months ending May 31 to 4,675,000 pounds. In the first five months of 1950, Peru exported 3,786,000 pounds of cube root and 345,000 pounds of powder of which 98 percent was destined to the United States.

For Late Market Developments, See Page 4

ECA Announces Additional Procurement Authorizations

Among the new procurement authorizations issued to Marshall Plan countries by the Economic Cooperation Administration during the period August 25 to 31, were the following:—

To Belgium-Luxembourg—$500,000 for soapstock and fatty acids from the United States.

To Denmark—$1,370,000 for petroleum from Latin America.

To Germany—$100,000 for essential oils, $50,000 for crude drugs, leaves, herbs and roots, $500,000 for nonferrous ores and concentrates, $600,000 for copper, $500,000 for zinc, $300,000 for tin, and $200,000 for medicinal preparations from the United States; $450,000 for zinc, $1,500,000 for copper and $3,100,000 for nonferrous ores and concentrates from Latin America; $500,000 for zinc from Canada.

To Greece—$1,000,000 for petroleum from the United States.

To Netherlands—$250,000 for copper from Canada.

To United Kingdom—$850,000 for nonferrous ores and concentrates from the United States; $6,040,000 for nonferrous ores and concentrates, and $30,000 for hides and skins from Latin America; $6,000,000 for aluminum from Canada.

Italians Seek U.S. Chemicals

The Office of Small Business of the Economic Cooperation Administration released, August 31, a list of Italian importers who have been granted import licenses for procurement of commodities from the United States using non-ECA dollars. Many chemicals and related materials are on the list. Copies may be obtained from the office of information, ECA, 800 Connecticut avenue, N.W., Washington 25, D.C.

Royster Guano Has New Plant Under Construction

F. S. Royster Guano Company currently has a new fertilizer shipping and storage plant at Lyons, N. Y., under construction. The new unit, which is expected to get into operation next Spring, will have a shipping capacity of from 15,000 tons to 20,000 tons, and will serve customers in western New York, now principally served by the firm's Baltimore, Md., plant. The Guano company now has twenty-one separate plants all located East of the Mississippi River.

Phosphate Rock Freight Rate Reduction Advised

A reduction in freight rates on the movement of crude phosphate rock from points in northern New Jersey to destinations in northern New York was recommended by Charles B. Gray, trial examiner for the Interstate Commerce Commission in a report to the commission.

The new rates would be $3.90 a ton in open cars and $4.35 a ton in open cars protected by tarpaulin or other covering or in closed cars. They would apply on shipments from Jersey City, Weehawken, Hoboken, Carteret and Warners, N. J., and adjacent points, to Buffalo, Niagara Falls and Suspension Bridge, N. J.

Spencer Appoints Two To Staff in Southeast

Spencer Chemical Company, Kansas City, Mo., has appointed Floyd N. Miller and Robert H. Mullet to the staff of its new southeastern sales division. Mr. Miller will serve as technical services specialist for the area, while Mr. Mullet will act as Spencer representative for Alabama.

Mr. Miller began his business career in 1939 as sales representative for the Barrett Company, a division of Allied Chemical & Dye Corporation New York. Thereafter, he worked in various divisions of Allied Chemical until 1949, when he joined Farm Fertilizers, Inc. Omaha, Neb., in a sales and production capacity. Mr. Mullett received a degree in business administration from the University of Mississippi in 1949.

Trade Briefs

Dwight T. Colley, vice-president of Atlantic Refining Company, Philadelphia, has been appointed to the committee on ordnance of the Defense department's Research and Development Board.

Mid-West Refineries, Inc., has elected Otto A. Seyferth, president of the United States Chamber of Commerce, and Mead L. Bricker, a director of the Ford Motor Company, to its board of directors.

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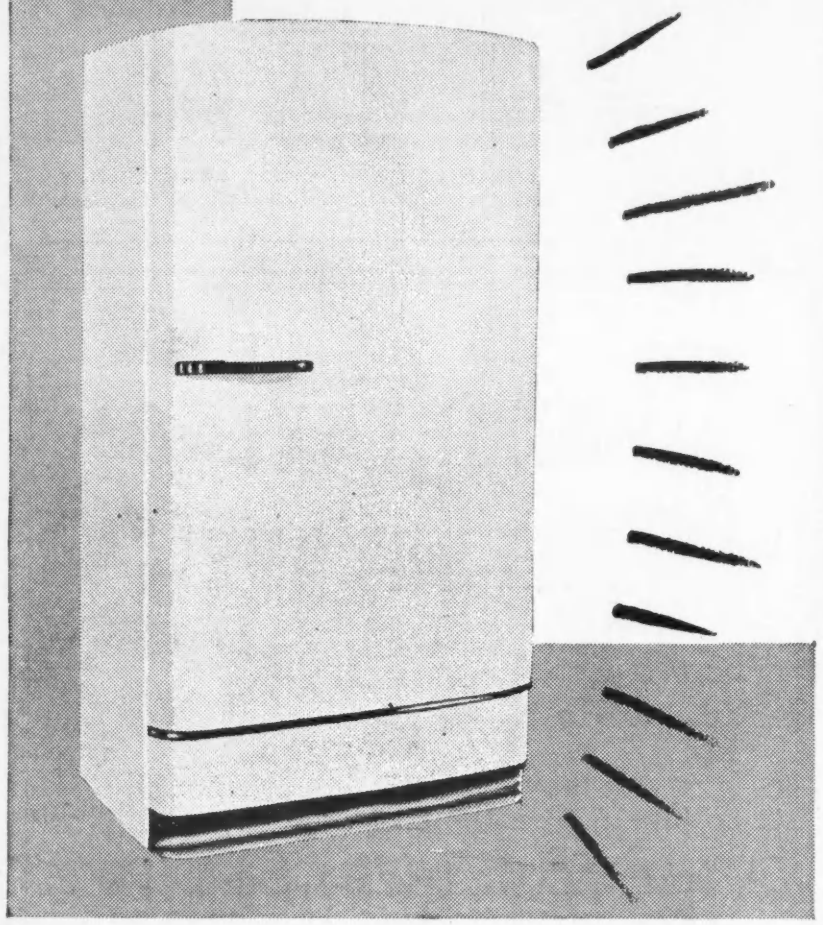

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Coaltar Chemicals

There were no new price movements in intermediates initiated last week, but in basic products one producer advanced refined pyridin 10 cents per pound, and one producer of benzol upped prices 5 cents per gallon. There were several important intermediates, as reported below, which currently carried a price spread between different producers, some producers having advanced prices, while others still had the matter under consideration, and were expected to take action nearer the end of the quarter.

Strikes continued to seriously hamper chemical production. Especially serious was the long continued strike in alkali plants which cut off some 60 percent of the nation's chlorine supply, and the sustained strike in the plant of a major tar distiller. Toluol and xylol supplies were threatened by a strike in the plants of a petroleum source producer, which if it becomes prolonged, might adversely affect the market.

Imported cresylic acid continued to soar and prices were expected to go higher. Supplies of imported acid were reported as tight, and the shortage was made more acute by the scarcity of steel drums in England making it difficult to get drums for export of the acid. Imported naphthalene was likewise tight, but this was felt to be largely due to foreign producers holding out for higher prices. Current schedules on imported naphthalene were ½ cent higher than formerly.

The American Iron and Steel Institute reported production for the week ended September 2 as amounting to 97.1 percent of theoretical capacity. This was equivalent to 1,872,800 tons of ingots and castings, compared with 1,747,400 tons scheduled for the previous week, and 1,591,000 tons one year ago.

Basic Products

Benzol—One producer advanced prices on benzol 5c. per gallon last week, but the move had not become general in the industry by presstime, and whether or not it would was a matter of conjecture. Higher costs were back of the price advance, and in relation to other benzol sources such as petroleum production and imports, the price of 30c. per gallon still left the domestic coaltar material well under competitive material. The market, remained at 25c. per gallon in most quarters, and consumers were watching to see how general the trend might become.

Meanwhile, there was a continued severe shortage of benzol in the industry. Were it not for the critical chlorine shortage, benzol would be in a worse position than it currently is. Several large consumers of benzol, forced to obtain material from abroad or from high cost petroleum producers, or ship small quantities of coaltar source material over long distances, said that their benzol costs at the point of consumption averaged well over 30c. per gallon.

Benzol production was reported by the Tariff Commission as totaling 15,451,865 gallons in June, compared with the May output of 16,195,433 gallons.

Coaltar—Coaltar distillation in England and Wales had a throughput of 2,254,5500 tons in 1949, an increase of 40,000 tons over 1948. More than 75 percent of the quantity was distilled to pitch, of which 916,500 tons were produced.

Creosote—Prices were unchanged, demand was strong, and supplies from an overall standpoint were not regarded as short. Production in June amounted to 10,073,047 gallons by tar distillers, against the revised figure for May of 10,499,967 gallons, according to the Tariff Commission. Cokeoven operators, meanwhile produced 2,499,356 gallons in June, compared with their May output of 2,369,351 gallons.

Coke By-Products

Estimates of by-product cokeoven operations in the week ended August 12 indicate the following output of by-products from that source:—

Ammonia liquid NH_3	lbs.	1,054,412
Ammonia sulphate	lbs.	27,303,736
Benzol	gals.	3,440,714
Coaltar	gals.	12,763,942
Creosote oil	gals.	710,341
Naphthalene, crude	lbs.	1,687,060
Phenol	lbs.	199,783
Toluol	gals.	688,144
Xylol	gals.	155,387

Market Trends

Prices Advanced
Naphthalene, imported, ½c. per lb.

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept.2, 1949
119.0	119.0	111.2	110.1	110.1

(*For Current Prices see Page 9*)

Cresol—There was nothing new to report in this critically tight market. Prices were unchanged, and strikes still hampered output and added to the scarcity. The Tariff Commission reported production of meta-para at 713,080 pounds in June, as compared with an output of 672,930 pounds in May. Production figures for the ortho-meta-para material were unreported for June, but stood at 749,251 pounds in May.

Cresylic Acid—Those who may have been long on imported cresylic were by last week no longer in that favorable position. The market on imported material was tight, with all large volume foreign output in a sold-up position and only an occasional small quantity available for purchase. Prices in the last few weeks have soared to a c.i.f. range of 95c. to $1.10 per gallon, depending upon quantity, buyer and seller.

To make matters worse, there was the severe shortage of drums in England, and considerable difficulty was being experienced in getting drums in which to ship the acid. The minister of defense, being unable to get enough steel for armament purposes, was reportedly allocating steel for domestic use, and this curtailed the output of drums. It was expected in the weeks immediately ahead that the price of imported cresylic would go higher. The import markets are considerably more of a trading operation than domestic production, and price levels are determined more by supply and demand and what the traffic will bear, than they are by cost of production relationships. Hence the rapid and wide fluctuations.

Domestic acid was firm at price levels established in late July. Supplies were quite scarce, the shortage being made more acute by the long-sustained strike in the plants of a major distiller. The tight domestic and imported acid picture caused greater interest in petroleum cresylic, and in those end uses where petroleum material could be used, its use was being more widely adopted.

The output of refined acid was reported by the Tariff Commission as 3,387,650 pounds in June, compared wth the May production of 2,822,606 pounds.

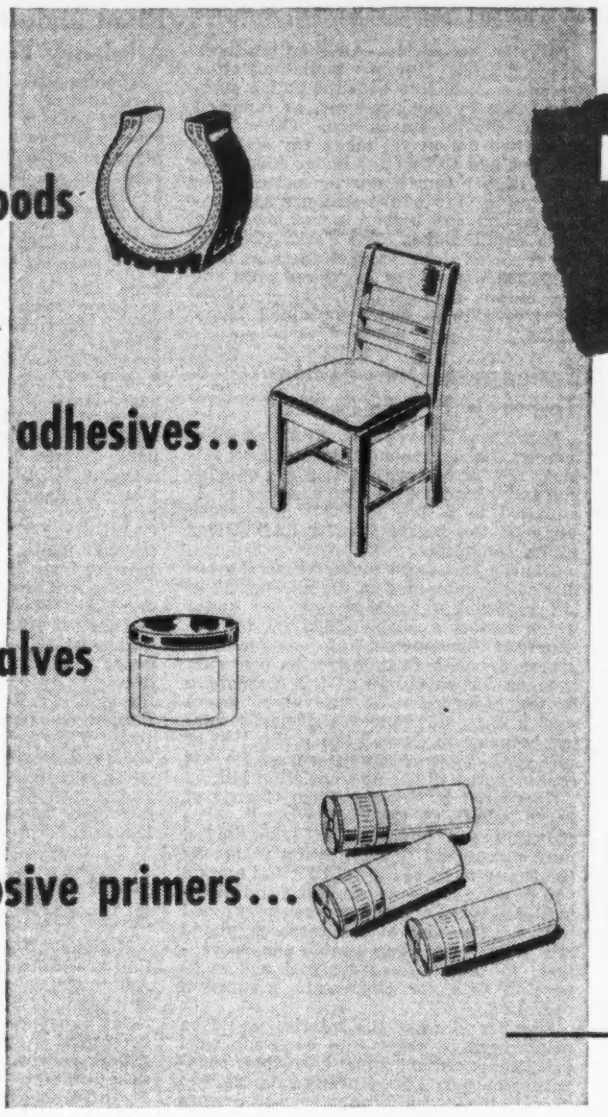
The United Kingdom exports of cresylic acid in the first quarter of 1950 rose sharply in volume, but declined slightly in value, compared with those of the corresponding period of 1949. Totals were 562,187 imperial gallons, valued at 113,835 pounds in the first quarter of 1950, compared with 315,546 imperial gallons, valued at 117,327 pounds, during the first quarter of 1949.

Naphthalene — Imported material was reportedly tight, not so much because of actual lack of material at the foreign source, but to the lack of selling and shipments. Foreign exporters remembering the situation that existed in the last war, were, in view of the Korean situation, inclined to hold material against a higher price. The price of imported material, if any could be had, was said to be 3¾c. to 4c. per pound on crude, except for material previously contracted for at lower levels. Inquiries abroad for naphthalene were met with replies that current production was all sold up, and no large quantities seemed to be available. However, American buyers were inclined to feel that if the Korean war were to end immediately there would be immediately available large quantities of foreign naphthalene at less than today's prices.

Meanwhile, domestic produced material showed no evidence of going up, but the foreign market situation, together with the fact that naphthalene had not been advanced along with the recent two advances of other tar acid derivatives, indicated that there existed a potential rise in the domestic market.

Supplies from an overall point of view were not short, being roughly in balance with demand. However, any sustained curtailment of imports were felt likely to soon create a slight pinch, and all the more so because of continued strikes in some quarters. The demand for

For Late Market Developments, See Page 4



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phthalic anhydride, and other naphthalene derivatives continued at a high level.

In connection with imported naphthalene, an undesirable situation existed at American ports. Material recently arriving from Iron Curtain satellite countries was unloaded but left stand on the dock because the dock workers refused to move it. Moreover, material afloat and due to arrive was likely not to be unloaded because of the policy of the dock workers in refusing to move incoming shipments of material from Iron Curtain countries. Meanwhile, the material is required to be paid for prior to shipment, and the problem of what to do with it, together with the heavy cost of returning the material and unloading it abroad created a severe loss to importers. The feeling was expressed that this policy of the dock workers was all right when applied to luxury items and crabmeat, but that the country was being hurt when it was applied to chemicals used and needed in the industrial war effort.

The Tariff Commission reported production of crude naphthalene by tar distillers at 14,519,638 pounds in June, compared with the revised figure for May of 18,363,559 pounds. Meanwhile, production of crude by cokeoven operators amounted to 9,064,590 pounds in June and 8,780,999 pounds in May. Tar distillers also produced refined naphthalene melting at over 79°C in the amount of 7,187,243 pounds in June, as against 7,099,386 pounds in May.

Phenol—Production was seriously hampered by the severely critical chlorine shortage resulting from long sustained strikes, and the phenol shortage was not expected to show any easing because of the increasing allocation of available benzol in the direction of styrene manufacture for the production of plastics and synthetic rubber.

Natural phenols were short, and the shortage was made still worse by the unsettled strike in the plant of a major tar distiller. Prices on both synthetic and natural were unchanged from the levels which were established at the end of July.

The combined output of synthetic and natural phenols in June totalled 25,993,111 pounds, compared with the May production figure of 27,019,244 pounds.

Pyridin—Refined material was advanced 10 cents per pound effective September 1 in some producing quarters last week, bringing less than carlot drum quantities to 90 cents per pound on a freight equalized basis. Other producers had not by presstime gone along with the advance, but had the matter under consideration. Supplies were extremely scarce.

Toluol—The market remained strong, with demand running in excess of supplies. The overall market position with respect to supply was threatened by a strike in the plants of a petroleum producer. Any long duration of the strike was felt likely to have an adverse effect upon the market. Prices were still unchanged at two listed shipping points, but others had been established at their higher levels.

Cokeoven operators in June produced 2,664,352 gallons of toluol compared with their May output of 2,835,300 gallons. Meanwhile, production from tar distillers, petroleum and other sources totaled 2,820,912 gallons in June, as against 3,554,827 gallons in May.

Xylol—A strike in the plants of a petroleum source producer threatened the already tight market position of this item. Demand was sustained at a high level said to be in excess of the available supply. Price schedules at two listed producing points had not as yet been advanced, but others were established at a higher level in a price movement initiated a couple weeks ago. The Tariff Commission reported total output in June as 5,849,824 gallons, compared with the May production of 5,874,584 gallons.

Intermediates

This market showed no new price movements initiated last week. However, there was currently quoted a price spread between different producers on several important items. The price spread arose from some producers having initiated a price rise in the market by announcing, as reported in previous issues, a price advance effective immediately on spot and October 1 on contract, while other producers had as yet not made such announcements, having the matter under consideration with a view toward upward price adjustments more nearly toward the end of the quarter. Included in those chemicals currently carrying a price spread were monochlorobenzene, dichlorobenzenes both ortho and para, trichlorobenzene, phthalic anhydride, betahydroxynaphthoic acid, chlorosulphonic acid, J acid, Laurents acid, S acid, metanitroparaphthalic anhydride, and other naphthalene derivatives continued at a high level.

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Phthalic Anhydride—Another producer advanced prices 1½c. per pound, effective September 1, in line with the action similarly taken by one producer, as reported in OPD several weeks ago. Other producers had not as yet taken any such action, but had the matter under consideration. Higher fourth quarter prices were expected in view of the stronger naphthalene market and higher import prices on crude naphthalene. The Tariff Commission reported June production as totaling 16,208,959 pounds, as compared with the May output of 15,675,127 pounds. Supplies were tight under sustained heavy buying.

Manganese Ores Mining Research Bill in Senate

A program of research and investigation by the government designed to discover new and improved methods of mining and beneficiating manganese ores is proposed in a bill (S. 4090) now under study by the senate interior and insular affairs committee.

The measure goes further than the authorization contained in the appropriation bill reported a week ago in the house which makes available $850,000 for research and development of domestic manganese deposits, in that specific provision is made for purchases of the manganese by the government at guaranteed prices sufficient to stimulate the domestic mining industry to expand the production of such ores. No such purchase program was contemplated in the appropriation bill.

Sponsored by Senator Chan Gurney of South Dakota, (S. 4090) authorizes the construction and operation of laboratories, pilot plants and demonstration plants by the Department of the Interior to improve and develop methods of mining and utilizing deposits of manganese ores and wastes. The size of the research plants are to be such as to enable the government to secure necessary cost and engineering data for large-scale production operations.

The Secretary of the Interior would be empowered to enter into contracts with private operators to purchase their manganese output at fixed prices calculated to provide the cost of production and reasonable profit. Also, the secretary is authorized to purchase all domestically mined manganese delivered to it within specified periods of time at guaranteed prices.

Hazardous Labor Hearing Set for Washington Oct. 11

Secretary of Labor Maurice J. Tobin has scheduled a public hearing in Washington on October 11 to consider an order which would declare certain occupations in and about mines as hazardous for young workers, thus setting 18 years of age as the minimum age for such employment within the child-labor provisions of the fair labor standards act. The hearing will open at 10 a.m. in Room 121 of the Department of Labor Building. The proposed order to protect young workers covers metal mines, non-metal mines, ore-dressing plants, quarries, clay pits and clay mines, sand and gravel operations. Coal mining was covered in a similar order September 1, 1940.

This proposed order is based on the findings of an investigation made by the Bureau of Labor Standards of the hazards to young workers in mining other than coal. The report of the investigation, "Hazardous Occupations Report No. 9," together with the text of the proposed order may be obtained, without cost, from the Bureau of Labor Standards, Department of Labor, Washington 25, D. C. Notice of intention to appear at the hearing should be filed with the Secretary of Labor at least five days in advance. Interested persons who are unable to appear at the hearing may submit written comment or brief up to the day prior to the hearing.

Shine Joins Arnold, Hoffman

William M. Shine has joined the plastics department of Arnold, Hoffman & Co., New York. He was formerly associated with the central sales development department of General Aniline & Film Corporation, and earlier with the plastics department of the General Electric Company.

Trade Briefs

American Can Company has begun construction on a new building adjacent to its present manufacturing plant in Tampa, Fla., to increase the capacity of the company's local lithography facilities.

Trinity Bag & Paper Company, New York, will move its Brooklyn plant on or about October 1 from the New York Dock Company buildings on Imlay street to 750 Frelinghuysen avenue, Newark, N. J.

Plant Maintenance Show Advisory Board Named

Appointment of a sixteen-man exhibitors' advisory board to assist in the direction of policies for the plant maintenance show and the concurrent conference on plant maintenance techniques at Cleveland, Jan. 15 to 18, has been announced by Clapp & Poliak, Inc., exposition management.

L. C. Morrow, consulting editor, *Factory Manageme and Maintenance*, who will serve as chairman of the conference, has been named chairman of the advisory board. Others include D. F. Beard, advertising director, Reynolds Metals Company; B. E. Boyd, vice-president, Owens-Corning Fiberglas Corporation; E. W. Coogan, sales promotion manager, Waverly Petroleum Products Company; S. W. Corbin, assistant manager, industrial divisions, General Electric Company; Howard F. Eastwood, assistant sales manager, U. S. Gutta Percha Paint Company; William Flatow, jr., assistant to general sales manager, West Disinfecting Company; E. Ralph Harris, manager, industrial sales, Alemite sales division, Stewart-Warner Corporation.

Also, Orville C. Hognander, vice-president, G. H. Tennant Company; J. F. Kaiser, vice-president, Tempo Products Company; H. R. Meyer, manager, maintenance sales department, Westinghouse Electric Company; D. C. Miner, advertising manager, E. F. Houghton & Co.; W. L. Parcell, sales manager, Ridge Tool Company; C. F. Radley, publicity director, Oakite Products, Inc.; Francis S. Russell, president, RCS Tool Sales Corporation, and Ernest G. Vetter, assistant to sales manager, Truscon Laboratories division, Devoe & Raynolds Co., Inc.

Nat'l Distillers Transfers Sales Office to Ashtabula

National Distillers Chemical Corporation has transferred it sales offices to the Administration Building of the company's new plant on State Road, Ashtabula, Ohio. Sales activities for the corporation have been carried out for the past two years at 120 Broadway, New York. Executive offices will remain at the New York address. National, which bega producing metallic sodium in June of this year, maintains its research division in Cincinnati, Ohio.

Zyklon Interests Vested by OAP

Order No. 14946 of the Office of Alien Property, published August 29 vests as enemy property the interests and rights created in Chemical Marketing Company and Deutsch Gesellschaft fur Shadlingsbekampfung m.b.H. by virtue of an agreement dated November 14, 1939, between American Cyanamid Chemical Corporation and Chemical Marketing Company. The agreement relates to Zyklon discoids, a fumigating agent.

American Can to Expand in St. Paul

American Can Company has announced plans to begin immediate construction of added can manufacturing facilities at its St. Paul, Minn., plant. The new unit, designed to meet stepped-up demands for containers from meat and vegetable packers in that area, is expected to get into operation next Summer.

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ECA Finances Bauxite Development in Jamaica

Financing of an alumina manufacturing and bauxite development project in Jamaica, British West Indies, was announced last week by the Economic Cooperation Administration. Funds to be advanced by ECA to Jamaica Bauxites, Ltd., amounting to $2,500,000 and 1,500,000 pounds sterling ($4,200,000), will finance in large part, construction of a plant having a production capacity of approximately 40,000 tons of alumina (semi-processed buxite) per year, including purchase and installation of plant equipment and establishment of related bauxite mining and transportation facilities.

The development project, initiated by Jamaica Bauxites, a subsidiary of the Canadian firm, Aluminum, Ltd., is scheduled for completion by the end of 1953. ECA will furnish its sterling funds from Marshall Plan counterpart funds in Great Britain. Repayment by the Jamaica company will be in the form of aluminum to be added to the U. S. stockpile over a period of eight years.

Bids Wanted

Abrasive, 3,131 gallons, U. S. Air Force (Wright-Patterson Base, Dayton 1, Ohio) invitation 038-222, date undecided.

Aqua ammonia, ACS 28%, Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 99, September 13; 100 barrels, and 25 quarts, Federal Supply Service (Cleveland 1) invitation CL-526-51, September 15.

Canada turpentine sticks, 2,450 boxes, Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 81, September 11.

Chemicals, including silver nitrate, sodium acetate, sodium borate, sodium chloride, sodium citrate, etc., Armed Service Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 154, September 6; potassium bichromate, sodium bichromate, sodium nitroferricyanide, sodium phosphate, etc., invitation 153, September 6.

Chromic acid, 4,375 pounds, Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 68, September 6.

Cinnamon, ground, 33,530 pounds, Quartermaster Procurement Agency (New York 3) invitation 220, September 11.

Cleaning compound, formula C, 1,518,600 pounds, U. S. Air Force (Wright-Patterson Base, Dayton 1, Ohio) invitation 038-232, date undecided, general, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 83, September 11; grease, 160,000 gallons, invitation 103, September 13; 209,000 gallons, invitation 104, September 13; vapor, 332,500 pounds, invitation 97, September 13; 732,500 pounds, invitation 98, September 13.

Corrosion inhibitor, 105,000 five-ounce containers, Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 78, September 11.

Drugs, including penicillin, codeine phosphate, epinephrine, ergonovine, maleate, neostigmine, methylsulphate, phenobarbital, triasyn B, Veterans Administration (Washington 25) invitation A-18 September 14.

Ethylene glycol, non-corrosive, 12,000 gallons, Navy Department (Naval Air Material Center, Naval Base, Philadelphia 12) invitation 156/9500-30134/51, September 14.

Fats & Oils, edible: oleomargarine, 432 pounds, salad oil, 120 gallons, lard shortening, 1,300 pounds, Federal Detention Headquarters (New York 14) invitation 7-1205, September 14; salad oil 2,200 gallons, Federal Supply Service (Washington 25) invitation 1D-92480, September 13.

Ferric chloride, 23,550 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation J-51,500, September 14.

Fingerprint remover, 14,500 gallons, Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 95, September 12.

Hydraulic oil, 4,000 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 28-024-51-91, September 12; 8,500 gallons, invitation 28-024-51-92, September 12.

Injections, mercaptomerin, mersalyl & theophylline, pyridoxine hydrochloride, sodium ascorbate, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 145, September 12.

Ink, litho offset, as required from October 1, 1950, through September 30, 1951, Coast & Geodetic Survey (Commerce Building, Washington 25) invitations 1007 and 1006, September 18; 1,200 pounds, Army Map Service (Washington 16) invitation S-16, September 19; duplicating, black and white, 35,868 pounds, Navy Purchasing Office (New York 3) invitation 7111, September 15.

Lacquer, spraying, 412 gallons, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,547, September 28.

Laundry starch, 200 pounds, Federal Supply Service (Cleveland 1) invitation CL-394-51, September 11.

Masking paste, 7,000 gallons, Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 85, September 11.

Oleovitamin A & D 55584 fifty-cc bottles, and AGD capsules, 55488 bottles of 100 each, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 140, September 11.

Paint and related products, Civil Aeronautics Administration (Fort Worth 1, Texas) invitation 4-51-36, September 7; paint, 200 gallons, and thinner, 100 gallons, Panama Canal (Purchasing Officer, Washington 25) schedule 9705, September 6.

Paste, office, 2,400 four to six ounce jars, (Post Office Department, Washington 25) invitation 1281, September 6.

Photographic chemicals, including collodion, glycin, and iron sulphate, Army Map Service (Washington 16) invitation S-15, September 6; fixer, photocopying machine, 576 packages, Federal Supply Service (Dallas, Texas) invitation FW-10560, September 12.

Potassium chromate, 5,000 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation J-51,500, September 14.

Pumice, ground, fine, 3,950 pounds, medium, 700 pounds, Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 82, September 11.

Red lead, 8,000 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation B-51,581, September 7.

Rust preventive, soft film, 96,250 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 28-024-51-91, September 12; 115,500 gallons, invitation 28-024-51-94.

Salt, iodized, 3,000 pounds, Federal Reformatory (Petersburg, Va.) invitation 9-5081, September 12; 2,520,000 pounds, Quartermaster Procurement Agency (New York 3) invitation 222, September 7.

Sealing compound, 354 gallons, Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 79, September 11; 1,404 gallons, invitation 84, September 11; insulating, 800 pounds, and 3,024 eight-ounce tubes, invitation 96, September 12.

Soap, automobile, 330 gallons, laundry, 6,000 sixteen-ounce cakes, Federal Supply Service (Cleveland 1, Ohio) invitation CI-522-51, September 15; laundry, powdered, 7,500 pounds, Federal Supply Service (Dallas, Texas) invitation FW-10556, September 12; scouring compound, 3,900 pounds, invitation FW-10555, September 12.

Sodium nitrate, 29,000 pounds, Navy Department (Aviation Supply Office, Philadelphia 11) invitation J-51,500, September 14.

Sodium phosphate, boiler water treatment, 24,000 pounds, U. S. Air Force (Wright-Patterson Base, Dayton 1, Ohio) invitation 096-89, September 15.

Sodium sulphate, anhydrous, 25,000 pounds, Navy Purchasing Office (Norfolk, Va.) invitation 9171, September 6.

Sodium thiosulphate, 25,000 pounds, U. S. Air Force (Olmstead Base, Middletown, Pa.) invitation 25, September 5.

Solvent, vapor degreasing, 19,500 pounds, Ordnance Department (Erie Depot, La Carne, Ohio) invitation 7, September 6.

Stencil correction fluid, 20,940 one-ounce bottles, Quartermaster Procurement Agency (New York 3) invitation 225, September 27.

Sweeping compound, 800,000 pounds, Navy Purchasing Office (New York 3) invitation 7145, September 15.

Tablets, riboflavin, saccharin sodium, sodium chloride, dried yeast, Armed Services Medical Procurement Agency (Brooklyn 1, N. Y.) invitation 129, September 8; hexavitamin tablets, invitation 183, September 6.

Typewriter oil, 4,200 two-ounce bottles, Post Office Department (Washington 25) invitation 1289, September 8; 2,304 bottles, Federal Supply Service (Dallas, Texas) invitation FW-10608, September 7.

Waterproofing liquid, exterior, 550 gallons, U. S. Air Force (Langley Base, Va.) invitation 9, September 8.

Water purification agent, calcium hypochlorite, 44,000 pounds, Quartermaster Procurement Agency (New York 3) invitation 195, September 22; individual tablets, 5,320,250 bottles, invitation 200, September 8.

Wax, auto, paste, 31,500 pounds, Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 70, September 6; floor, paste, 1,506 pounds, Federal Supply Service (Dallas, Texas) invitation FW-10538, September 12.

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Drugs and Fine Chemicals

One maker of calcined magnesia advanced prices $5 per ton across the board on regular and rayon grades. Cocoa butter fluctuating with the commodity market advanced 1 cent per pound. Rutin declined to an all time low, with another price drop of 1¼ cents per gram. Menthol during the week declined 50 cents per pound, in an easing of the spot market. The index fell 1.5 points, becoming 262.7.

Glycerin was critically tight and the market was in the same confused price situation that developed during the previous week. Crude was too high to be processed at the refined schedules of most producers even after their advanced prices, and they refused to buy the crude, processing only their own material. This greatly curtailed the output available to the average small consumer. Ester solvents were tight, particularly those made by the fermentation processes. Alcohol was in short supply. Ketones were for the most part amply available.

Continued strengthening interest was centered in natural vitamin A oil, and foreign sources were selling all they could produce. Synthetic Vitamin A was abundant, and low priced.

Ethylene and propylene chloride, oxide, and glycol materials were firm at their higher price levels established on spot in early August, and effective October 1 on contract.

The many shortages in aromatic organic chemicals which became apparent earlier in the year were likewise becoming evident in the aliphatic organic chemical market. Shortages in alcohol and glycerin affected a wide variety of derived chemicals.

Codliver oil was firm after the advance of last week, and stocks were regarded as probably adequate unless world demand should exceed that of recent years. The manufacture of citric acid by the fermentation process was said to be planned in the Russian zone of Germany. Sugar was abundant with the 1950 supply being well over a million tons in excess of the 1949 consumption, and with exports placed on the positive list effective September 1, requiring a validated license.

Castor Oil — Beans were unchanged. Trading was relatively inactive, and medicinal oil was firm at the recently established higher levels. Beans were acutely short and offerings virtually non-existent.

Imports of beans last week amounted to 8,600 bags equivalent to 1,290,000 pounds, compared with 36,066 bags or 5,409,900 pounds the previous week, and 22,469 bags or 3,370,350 pounds during the corresponding week of last year.

Total imports since January 1 of this year amounted to 931,029 bags equivalent to 139,654,350 pounds, compared with 1,105,507 bags or 165,826,050 pounds during the corresponding period of 1949.

Citric Acid—Prices held to the stable pattern adopted in a price stabilization policy of one year beginning September 1.

According to a German press report, it has been decided to erect a plant in the Russian zone for the manufacture of citric acid by the fermentation process, at a monthly rate of 20 tons.

Codliver Oil—The market was basically firm because of the well maintained cost of replacement supplies, the price for which was recently advanced at the origins. Stocks of oil seemed to be probably adequate unless world demand shall exceed the substantial size noted for some time past. Local quotation was $1.55 to $1.65 per gallon. Most importers advise consumers not to buy beyond their very evident requirements; that to do otherwise may result in the market being pushed far higher than supply and demand would dictate.

Diethylstilbestrol—Competition was evidently keen, mainly because of the existence of numerous very small producers of this article that can be produced almost on a test-tube basis. So far as the largest factors in production, the price of USP goods in ten kilo lots was $240 per kilo; 5 kilo lots, $250; 1 kilo lots, $260. Against the uniform price schedules was a report of one seller to the effect that he had had to meet $230 per kilo in 10 kilo lots; $240 in 5 kilo lots; and $260 in 1 kilo lots. Limited quantities have been imported but large scale import was made difficult by the duty of 45 percent ad valorem under the coaltar schedule. Again, reports suggested the presence of sub-USP material — described at 95 percent goods — which had been offered on the market at $40 to $50 below schedule.

Market Trends

Prices Advanced

Cocoa butter, 1c. per lb.

Prices Reduced

Menthol, 50c. per lb.
Rutin, 1¼c. per gm.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept.2, 1949
262.7	264.2	257.9	254.4	260.7

(*For Current Prices see Page* 9)

Dipropyleneglycol—Under this heading the previous issue erroneously quoted the price schedule for dipropyleneglycolmethylether for this item. The new price schedule on dipropyleneglycol is 14c. per pound in tankcars, 15¾c. in drum carlots, and 16¾c. in less than carlot drum quantities.

Glycerin—The market continued critically tight last week. Prices of major producers ranged widely, but most of them were quoting only 5c. per pound above former schedules, and were refusing to buy the high priced crude offered by outside sources at prices considerably above the regular refined schedules. The result was that in the weeks immediately ahead, most large refiners of glycerin would have less than normal quantities to offer, because they were refining only their own crude. What production they had was being allocated to established consumers based on their previous purchases.

There was some accumulation of crude, but the demand was so great that even at the abnormally high prices of crude, certain large glycerin consumers were buying it and refining it themselves. Still others, desperate for glycerin, were buying the high priced crude and having it refined at a fee. This tended to drain off from regular consuming channels that glycerin which would ordinarily be bought from the regular refiners and marketers of natural glycerin under normal crude prices and refining operations.

Crude glycerin to be produced by the new soap factory in Baghdad, Iraq, will have no ready domestic market it was reported. It is considered that little profit could be obtained by shipping the product to the United States or the United Kingdom. However, if the glycerin were refined, the factory would have a byproduct at comparatively small additional cost which might find a profitable export market, foreign sources said. Chemicals for the plant will probably be imported mostly from the United Kingdom and the United States.

Menthol—With goods afloat and due to arrive in early and through the month of September, the spot market has become easier to the extent that spot quotations last week were down to $14.50 to $14.60 per pound despite the fact that much of the goods due to reach here at an early date is under contract engagement. The market situation is still sensitive and late last week it lacked clear defining of the probable trend over a considerable time in the future.

Propyleneglycol — Technical material was quoted at 16c. per pound in tankcars, 17¾c. in drum carlots, and 18¾c. in less than carlot drum quantities. The NF grade was quoted at a schedule 1c. over the technical grade. Prices in the West carried a 1c. higher level than the above Eastern schedules.

Rutin—Competition of an exceptionally keen sort has resulted in prices reduced further—in fact, to a point where sellers last week declared that profit exists only in the sale of the article in combination with other medicinal products. Quotations were 2¼c. to 3¼c. per gram.

Sugar—Effective September 1 sugar was placed on the export control positive list, and required validated licenses for export to all destinations except Canada. The action was taken to prevent the dissipation of sugar bought by the Department of Agriculture to meet the requirements of the United States. Exports of sugar in value of less than $250 will not require a validated license. License granted by the Office of Industry and Commerce will remain valid for the usual period of six months.

For the week ended August 19, primary sugar distribution amounted to 206,098 tons on a raw value basis, compared with 213,491 tons the previous week. This brought the total so far this year to 5,577,-

For Late Market Developments, See Page 4

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585 tons, compared with 4,869,080 tons during the corresponding period of last year.

Sulphur—A further revision in the price of USP flowers was effected, amounting to 10c. per 100 pounds. Under the new schedule carlots f.o.b. mines were quoted at $3.40 per 100 pounds in bags, and $4.55 per 100 pounds in barrels. This price adjustment was simply that, and could hardly be regarded as a price reduction. Most grades of sulphur had, as reported in the previous issue, been advanced by 15c. per 100 pounds. This was the magnitude of the price rise on heavy refined USP material, whereas at the same time USP flowers were advanced 25c. per 100 pounds. The price adjustment herein reported is simply a roll back of the schedule on flowers, so that the price advance of the previous week is of the same magnitude as that effected on the USP heavy refined. The net effect of the price adjustments of the last two weeks, being an advance on flowers of 15c. per 100 pounds.

Vitamin A Materials—A continuing stronger market for natural vitamin A oils was noted. Prices were firmly held, and synthetic vitamin A continued to be listed at 18c. per 1,000,000 units.

The Japanese Ministry of International Trade and Industry have estimated the production of Vitamin A from fish livers at 32,350 billion units for 1950. Estimated production of Vitamin A fish-liver oils for 1950 is as follows:—

Potency Classification	Average Potency (USP)	Quantity in million USP units
4,900 and below	4,900	185,510
5,000 to 9,900	6,520	6,785,809
10,000 to 29,900	15,000	12,624,789
30,000 to 49,900	33,500	2,463,838
50,000 to 99,900	63,000	4,687,565
100,000 to 149,900	112,300	5,268,056
150,000 and above	234,000	334,433
Totals		32,350,000

MITI estimated that only about 5 percent of the first 3 low potency categories would be consumed in Japan, and that the remainder would be exported to the United States.

In addition, the Japanese fish liver oil industry plans to export 3,000 billion units of vitamin A in the form of whale-liver oil, consisting mostly of the potency classification of between 100,000 to 149,900 units, during 1950. Of this quantity, 2,416 billion units have already been exported, and the remainder depends upon the whaling operations during the latter part of the year.

The actual quantities of Vitamin A fish-liver oil exported to the United States during the first five months of 1950 are shown in the following:—

Potency Classification	Average Potency (USP)	Quantity in million USP units
4,900 and below	4,900	111,420
5,000 to 9,900	6,520	111,420
10,000 to 29,900	15,000	4,192,632
30,000 to 49,900	33,500	7,808,888
50,000 to 99,900	63,000	1,525,354
100,000 to 149,900	112,300	2,897,038
150,000 and above	234,000	3,255,256
Totals		210,949
		20,001,537

An official of a leading vitamin oil company indicated that the industry was endeavoring to produce 35,000 billion units

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of Vitamin A fish-liver oils, including whale-liver oil in 1950. According to trade sources, Japanese producers are being forced to move their production as soon as possible to meet current obligations, and are not able to hold their oils for higher prices.

These same sources maintain that they are not resorting to dumping because of their comparatively low prices. They claim that the low cost is possible because the oil is a by-product of the fishing industry which utilizes the entire fish, whereas in most other countries, sharks and some of the other sources of fishliver oils are caught only to recover the livers, making the cost on a comparative basis much higher.

In the Union of South Africa vitamin A fish liver oil producing companies can now sell everything they produce, as a result of the renewed domestic and overseas interest. Fish liver oil producers are reported to have disposed of, at good prices, practically all of the oil held by them.

United States imports of fish liver oils from this source in 1949 were as follows:—Cod-liver oil 83,145 gallons, valued at $129,102; shark liver or dogfish liver oil 6,315 gallons, valued at $59,844; and other fish liver oils, mostly hake liver oils, 63,880 pounds, valued at $223,565.

The Simonstown refinery employs a method which was said to be unique, in that the oil can be concentrated to a strength of 30 to 40 times that of the original oil. Ordinary cod-liver oil has a concentration of 1,000 vitamin A units per gram, while that of hake liver oil has a concentration of 25,000 units, but the concentrates made by the refinery vary from 200,000 to 800,000 units of vitamin A per gram.

Aureomycin Dental Cones Certification Order Issued

The Federal Food and Drug Administration has announced the issuance of an order for the certification of aureomycin dental cones and dental paste as well as for aureomycin tablets intended for vaginal use. The same order published in the *Federal Register* of August 26, also carried the authorization for certification of penicillin tooth powder.

The new products covered in the order were approved by FDA for immediate introduction into interstate channels. The order also carried amendments to existing regulations which do not become effective until 120 days. These changes provide for deletion of the requirements that a circular containing directions for use be packaged with aureomycin capsules, aureomycin powder, aureomycin tablets, chloramphemicol capsules, and bacitracin tablets.

Bakery Products Briefs Filing Date Extended to October 9

The Food and Drug Administration has extended the termination date for filing of exceptions and briefs on its proposed amended definitions and standards of identity for bakery products until October 9. The proposed standards, issued August 8 (OPD, 8/14/50), prohibit the use of certain chemical emulsifiers as optional ingredients in the production of bakery products.

Searle Appoints Bowes

G. D. Searle & Co., Chicago, has appointed Kenyon Bowes assistant treasurer of the concern. Mr. Bowes previously served for eighteen years as a senior accountant for Arthur Anderson & Co., working in their Chicago and Detroit offices.

Goldschmidt Chemical Issues Data On Propyl Gallate, Ethyl Gallate

Goldschmidt Chemical Corporation, New York, has published a technical booklet on propyl and ethyl gallates. Running to ten pages, the publication contains information primarily on the former antioxidant. Included is data on uses and applications, protection of butter fat, control of rancidity in fish flesh, action of synergists, toxicity and a two-page list of bibliographical references.

Wyeth Leases New Office Space

Wyeth, Inc., has leased six floors in the Central Penn Bank Building at Broad and Walnut streets, Philadelphia, Pa., currently undergoing extensive reconstruction. The company and its affiliate, Wyeth International Limited, Inc., which expect to take occupancy on or about January 1, will house their executive and administrative offices at the new location.

Smith, Kline & French Plans Phila. Expansion

Smith, Kline & French Laboratories has announced plans to add a new wing to its Philadelphia plant. The new four-story addition, which is scheduled for completion by late Spring of 1951 at an estimated cost of $1,200,000, will provide approximately 80,000 more square feet of office and warehouse space and will increase the company's Philadelphia facilities by about 20 percent.

Trade Briefs

Kohn & Pechenick, Brooklyn, N. Y., recently complete engineering work on a 7,200-gallon-per-day absolute alcohol plant at Ciudad Trujillo, Dominican Republic.

Mervin E. Runner, a National Institute of Health fellow at the University of Pennsylvania, has been appointed an instructor in chemistry at Illinois Institute of Technology, Chicago.

Continental Can Company's fibre drum plant at Tonawanda, N. Y., will resume full production on a one-shift basis, September 5, after a suspension of activities since last fall.

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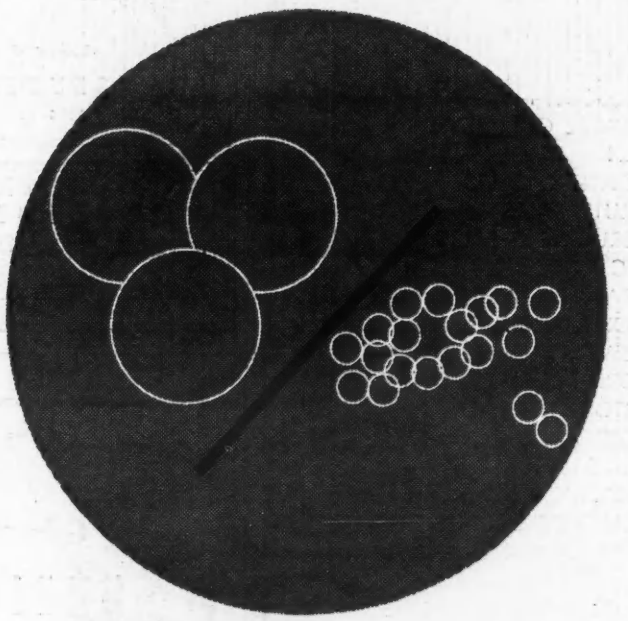

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Premar International Formed by McGoodwin

Premar International Inc., New York, was recently formed to continue the foreign marketing service to manufacturers in the drug and allied fields, previously handled by the dissolved firm of Amerimex International, Inc.

Preston McGoodwin, jr., president of the new company and former president of Amerimex, was at one time assistant export manager of Lederle Laboratories Division and Calco Chemical Division of the American Cyanamid Company. He had previously been in charge of exports for the William S. Merrell Company and foreign advertising manager of Smith, Kline & French Laboratories.

Premar International, Inc. is now functioning as the export department of Maltbie Laboratories, Inc., Newark, N. J.; Rystan Company, Inc., Mount Vernon, N. Y., and of Kinney & Co., Columbus, Ind.

Roth, Marshall Working For Bjorksten Research

Robert J. Roth and Stephen Marshall have joined the staff of Bjorksten Research Laboratories, Madison, Wisc. Mr. Roth comes to Bjorksten from the American Optical Company, Southbridge, Mass., where he was project and product development engineer. He is an associate editor of volumes 2, 3 and 4 of Jacobson's *Encyclopedia of Chemical Reactions* and an abstractor for *Chemical Abstracts*. Mr. Marshall received his degree in chemical engineering from the University of Wisconsin.

USP Dose Rule Deferred

By action of the U.S.P. Committee of Revision and the Board of Trustees, the section on Pages 726-7, U.S.P. XIV, entitled "Number of Doses in Container" will not become effective until July 1, 1951.

This postponement is to permit completion of studies into the need for exemptions in the case of certain U.S.P. injections. Every effort will be made, says Lloyd C. Miller, Ph.D., director of pharmacopeial revision, to finish the study in ample time prior to July 1; so that necessary labeling and packaging changes can be made.

Abbott Labs Expanding

Abbott Laboratories has started construction on a $283,000 addition to the development laboratory building at its North Chicago plant. The addition, expected to be ready for occupancy early next year, will more than double the size of the existing one-story building, adding approximately 24,000 square feet of floor space.

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Ill. Univ. Undergraduate Pharmacy Course Revised

A complete revision of the four-year undergraduate curriculum leading to the degree of bachelor of science in pharmacy has been approved by the University of Illinois board of trustees. The revision, according to Dean Earl R. Serles, involves modernization of courses in the health sciences and the addition of courses in the social sciences and in business administration which it is felt are desirable in the development of the pharmacist as a citizen.

The changes were recommended by the faculty of the College of Pharmacy and the university senate. These changes follow the line of recommendations of the National Curriculum Committee appointed by Dr. Edward C. Elliott, who has been director of the pharmaceutical survey of the American Association for Pharmaceutical Education. Dr. Serles said that the recent development of new therapeutic agents, such as penicillin, streptomycin, aureomycin, ACTH, and cortisone, has made it imperative to revise several courses in the basic sciences.

Weilmuenster Joins Bjorksten

Dr. Earle A. Weilmuenster has joined the staff of Bjorksten Research Laboratories, Madison, Wisc as section leader in organic synthesis. Dr. Weilmuenster was previously director of organic research of the Lubrizol Corporation, Cleveland, Ohio. He has also been associated with the John Carroll University, Cleveland, as an assistant professor of organic chemistry.

Abbott Flies 'Halazone' to Korea

Abbott Laboratories, North Chicago, Ill., has shipped 25,000,000 "Halazone" tablets to Korea by air cargo for water purification purposes. The shipment, which was routed from Chicago to the Far East by way of San Francisco, was in fulfillment of a government order for the water sterilization material.

Sterling Drug Moves Offices

Removal of the executive offices of Sterling Drug, Inc., to 1450 Broadway, New York, and consolidation of the company's New York operations at the new address were announced August 30. Former executive offices were at 170 Varick Street, New York.

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AGAR—50 bls, Consumers Import Co, Kobe
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ALBUMEN, HEN, CRYSTALS—36 cs, D L Moss, Taku Bar
11 cs, Goldhill Food Corp, Taku Bar
ALGINATE—1 dm, Stein Hall, Glasgow
ALKATHENE GRANULES — 2 dms, Republic Moulding Co, Liverpool
ALUM, GRANULAR—50 dms, C Tennant Sons, Liverpool
AMBAR, LIQUID—1 dm, Honduras Products Co, Cristobal
AMMONIUM CARBONATE—40 dms, Chemical Manufacturing Co, Liverpool
AMYRIS BALSAMIFERA OIL—5 dms, Norda Essential Oil & Chemical Co, Port Au Prince
ANILIN COLORS—8 dms, Hensel Bruckmann, Rotterdam
2 dms, Gondrand Bros, Havre
1 cs, Arnold Hoffman, Liverpool
4 dms, Arnold Hoffman, Liverpool
2 cans, T Hodges Corp, Hamburg
ANILIN COLORS—20 dms, Arnold Hoffman, Liverpool
4 kgs, Arnold Hoffman, Liverpool
4 bbls, C A Haynes, Amsterdam
26 dms, Ciba Co, Rotterdam
94 bbls, Geigy Co, Rotterdam
20 dms, Sandoz Chemical Works, Rotterdam
97 dms, Geigy & Co, Rotterdam
64 dms, Geigy & Co, Havre
25 dms, Sandoz Chemical Works, Havre
33 dms, Ciba Co, Havre
ANISEED—80 bgs, Levy & Lewis, Hamburg
OIL—10 dms, Hyeton Corp, Hong Kong
ANNATTO SEED—100 bgs, D Steengrafe, Rio de Janeiro
ANTIMONY ORE—979 bgs, South American Minerals & Merchandise Co, Mollendo
873 bgs, J W Hampton Jr, Antofagasta
1,830 bgs, Philipp Bros, Antofagasta
3,501 bgs, South American Minerals & Merchandise, Antofagasta
REGULUS—500 cs, J W Hampton Jr, Hamburg
ARSENIC—67 dms, Overseas Metal & Ore, Rotterdam
20 dms, Overseas Metal & Ore Corp, London
281 bbls, American Smelting & Refining Co, Tampico
ASBESTOS FIBER—200 bgs, Commercial National Bank, Lourenco Marques
500 bgs, Refractory & Insulation Corp, Lourenco Marques
600 bgs, Magnesia Manufacturing Co, Lourenco Marques
BEES WAX—45 bgs, Wax & Rosin Products, Puerto Alegre
175 bgs, Wessel Duval, Puerto Alegre
91 bgs, A V Berner, Puerto Alegre
91 bgs, Industrial Raw Materials, Puerto Alegre
187 bgs, Will & Baumer Candle Co, Puerto Alegre
166 bgs, Koster Keunen, Puerto Alegre
106 bgs, Bank of London & S A, Puerto Alegre
166 bgs, Strahl & Pitsch, Puerto Alegre
8 bgs, R L Pritchard, Manzanilla
26 bgs, M Rothschild, Santiago
35 bgs, Will & Baumer Candle Co, Santiago
32 bgs, E Vadillo Ruiz, Santiago
38 bgs, Manufacturers Trust Co, Santiago
35 bgs, Will & Baumer Candle Co, Havana
23 bgs, Machado & Co, Ciudad Trujillo
23 bgs, W R Grace, Valparaiso
171 bgs, J P Eberhardt, Rotterdam
BERGAMOT OIL—50 qu cs, Fritzsche Bros, Messina
BERYL ORE—500 bgs, Western Hemisphere Raw Materials, Rio de Janeiro
BETAHYDROXYNAPHTHOIC ACID—124 dms, Antwerp
BISMUTH—62 cs, Phillip Bros, Hong Kong
66 cs, Cerro De Pasco Copper Corp, Callao
22 cs, Derby & Co, Antwerp
BLACK COLOR, VEGETABLE—662 bgs, Smith Chemical & Color Co, Antwerp
BOIS DE ROSE OIL—16 dms, Orbis Products, Manaus
3 dms, Maywood Chemical Works, Manaus
6 dms, George Lueders, Manaus
6 dms, van Ameringen-Haebler, Manaus
12 dms, Dodge & Olcott, Manaus
5 dms, Dodge & Olcott, Para
BONE GLUE—20 bgs, Markus Freiser & Son, Durban
MEAL—600 bgs, Jung Fwdg Co, Liverpool
BRUCINE—2 cs, Avia Co, Hamburg
BUCHU LEAVES—69 bls, S B Penick & Co, Capetown
10 bls, Peek & Velsor, Capetown
6 bls, R J Prentiss & Co, Capetown
25 bls, W Russell Howe, Capetown
BUTTONLAC—24 cs, Bangkok
CADMIUM METAL—20 cs, J W Hampton Jr, Yokohama
CALCIUM HYPOPHOSPHITE—10 cks, Brauner & Co, Bremen
CAMPHOR OIL—50 dms, Orbis Products Corp, Yokohama
CARAWAY SEED—300 bgs, Catz American Seed Corp, Rotterdam
109 bgs, Catz American Seed Corp, Rotterdam
50 bgs, J Rechmann, Rotterdam
200 bgs, A Gronowitz, Rotterdam
300 bgs, Levy & Lewis, Hamburg
412 bgs, Louis Furth, Hamburg
CARBON—168 cs, M J Corbett, Havre
CARNAUBA WAX—123 bgs, Strohmeyer & Arpe, Parnaiba
375 bgs, American Union Transport, Parnaiba
312 bgs, Wax & Rosin Products, Parnaiba
313 bgs, Strahl & Pitch, Parnaiba
376 bgs, Biddle Sawyer, Parnaiba
252 bgs, Wessel Duval, Parnaiba
263 bgs, American Union Transport, Maranhao
45 bgs, Wessel Duval, Natal
22 bgs, Natal
138 bgs, F B Ross, Fortaleza
111 bgs, American Union Transport, Camocim
111 bgs, Wessel, Duval, Camocim
112 bgs, Smith & Nichols, Camocim
56 bgs, F B Ross, Camocim
168 bgs, W R Grace, Camocim
70 bgs, Cornelius Products, Rio de Janeiro
74 bgs, J W Hanson Co, Rio de Janeiro
56 bgs, H H Bauer, Rio de Janeiro
CASEIN—2,000 bgs, N Y Trust Co, Buenos Aires
1,000 bgs, Tupman Thurlow, Buenos Aires
2,200 bgs, American Cyanamide Co, Buenos Aires
1,400 bgs, Wilbur Ellis, Buenos Aires
1,700 bgs, Crawford Co, Buenos Aires
2,800 bgs, Borden Co, Buenos Aires
743 bgs, E Lang, Buenos Aires
1,352 bgs, Borden Co, Hamburg
1,220 bgs, Industrial Raw Materials Corp, Rotterdam
CASSIA—200 bls, J Berlage, Hong Kong
350 bls, A G Dunn, Hong Kong
100 bls, Wah Young, Hong Kong
200 bls, Archibald & Kendall, Hong Kong
100 bls, W M Allison, Hong Kong
100 bls, Becker Mayer Seed Co, Hong Kong
300 bls, A G Dunn, Hong Kong
300 bls, C M Van Sillevoldt, Hong Kong
OIL—15 dms, Hyeton Corp, Hong Kong
CASTORBEANS—5,400 bgs, Garnac Grain Co, Joa Pessoa
3,200 bgs, Baker Castor Oil Co, Fortaleza
602 tons, Pernambuco
235 tons, Spencer Kellogg, Recife
CEDRAT OIL—8 half cs, Cheramy Perfumery Inc, Messina
CETYL ALCOHOL—30 cs, Aceto Chemical Co, Liverpool
35 cs, Liverpool
CHEMICALS—17 dms, General Dyestuffs Corp, Rotterdam
113 cs, Bergstrom Trading Co, Gothenburg
174 dms, Bergstrom Trading Co, Gothenburg
5 dms, Brauner & Co, Liverpool
1 cs, Givaudan-Delawanna, Havre
120 cs, M Michel, Rotterdam
5 cs, S B Penick & Co, Southampton
1 dm, Havre
10 cs, Havre
100 cs, Bergstrom Trading Co, Gothenburg
50 cs, F H Taussig, Rotterdam
20 cs, Fallek Products, Hamburg
1 cs, Inland Alkaloid Co, Calcutta
3 cs, Lo Curto & Funk, Glasgow
AROMATIC—1 cs, Roure-Dupont, Havre
CINNAMON QUILLS—44 bls, Kellys America, Hamburg
CITRONELLA OIL—26 dms, A Maschmeijer, Jr, Keelung
39 dms, Bank of Taiwan, Keelung
26 dms, Farmers Chemical Co, Keelung
99 dms, Lo Curto & Funk, Keelung
25 dms, Magnus, Mabee & Reynard, Keelung
10 dms, Lo Curto & Funk, Hong Kong
6 dms, Felton Chemical Co, Colombo
CLAY CRUCIBLES—7 cs, Alexander Saunders, London
COCHINEAL—100 bgs, F Marti & Co, Antwerp
GREAT GRANDMOTHER—1 bg, F Marti & Co, Antwerp
MOTHER—1 bg, F Marti & Co, Antwerp
COCONUT OIL—357 tons, Philippine Refining Corp, Manila
200 tons, Pacific Vegetable Oil, Zamboanga
855 tons, American Trust Co, Cebu
COD OIL—50 dms, Bowring & Co, St Johns
50 dms, Reilly, Whiteman, Walton, St Johns
CODLIVER OIL—50 dms, Vitaron Chemical Manufacturing Co, St Johns
100 dms, Zehr & Co, St Johns
50 dms, Vitaron Chemical Manufacturing Co, St Johns
COLORS, DRY—4 dms, M Grumbacher, Liverpool
COPAIBA BALSAM—59 cs, Dodge & Olcott, Manaus
10 dms, S B Penick, Manaus
17 dms, Magnus, Mabee & Reynard, Manaus
COPPER CYANIDE—125 dms, Philipp Bros, Liverpool
CORUNDUM ORE—4,602 bgs, Charles Tennant Sons, Lourenco Marques
COTTON LINTERS—33 bls, Rotterdam
273 bls, Williamson Northrup, Rio de Janeiro
CREAM OF TARTAR—190 bbls, Gothenburg
CRESYLIC ACID—50 dms, Philipp Bros, Liverpool
270 dms, Rotterdam
234 dms, Industrial Raw Materials, Rotterdam
109 dms, Republic Chemical Corp, Manchester
221 dms, Monsanto Chemical Co, Liverpool
10 dms, Liverpool
1 dm, Kentler Bros, London
CUBE ROOT—3,448 bls, Hecht, Levis & Kahn, Iquitos
CYANIDE PRECIPITATES—14 cs, American Metal Co, Puna
6 cs, Irvington Smelting & Refining Works, Puna
DRUGS—2 cs, Bergwall Pharmacy Co, Gothenburg
5 dms, Liverpool
DYESTUFFS—3 dms, Nome Products International, Rotterdam
DYESTUFFS—8 dms, Ciba Co, Rotterdam
3 bbls, Sandoz Chemical Works, Rotterdam
6 cs, Jung Forwarding Co, Rotterdam
1 cs, Geigy & Co, Rotterdam
191 dms, Sandoz Chemical Works, Rotterdam
20 bbls, Sandoz Chemical Works, Rotterdam
26 cs, Sandoz Chemical Works, Havre
22 dms, Sandoz Chemical Works, Havre
15 cs, Ciba Co, Havre
18 bbls, Ciba Co, Havre
EGG YOLK SPRAY—619 cs, Goldhill Food Corp, Taku Bar
168 cs, D L Moss, Taku Bar
224 cs, Balfour, Guthrie, Taku Bar
448 cs, Great Western Distrib, Taku Bar
20 cs, China Trading & Dev Corp, Taku Bar
112 cs, Henningsen, Inc, Taku Bar
ELEMI GUM—25 dms, U S Industrial Chemicals, Manila
EPSOM SALTS—800 bgs, Elbert & Co, Bremen
ESSENTIAL OILS—1 ck, Manufacturers Trust Co, Cannes
4 cks, Antoine Chiris, Cannes
4 dms, Dodge & Olcott, Vera Cruz
1 qu cs, Dodge & Olcott, Messina
10 dms, Lo Curto & Funk, Hong Kong
ESSENTIAL OIL—3 cks, Antoine Chiris, Marseilles
5 cs, Antoine Chiris, Marseilles
1 dm, Antoine Chiris, Marseilles
7 Tombarel Products, Marseilles
20 cs, Lo Curto & Funk, Marseilles
13 cs, Camilli, Albert & Lalove, Marseilles
9 cks, Camilli, Albert & Lalove, Marseilles
3 cs, Roure-Dupont, Marseilles
2 cs, Roure-Dupont, Marseilles
10 dms, Roure-Dupont, Marseilles
2 dms, Manufacturers Trust Co, Marseilles
15 cs, L A Champon, Marseilles
9 cs, P Robertet, Marseilles
1 cs, U S Rubber Co, Marseilles
8 dms, U S Rubber Co, Marseilles
3 cks, U S Rubber Co, Marseilles
15 dms, Vera Cruz
1 cs, George Fuchs, Cannes
EUCALYPTUS OIL—6 dms, Lo Curto & Funk, Santos
6 dms, W J Bush, Lisbon
FERRO CHROME—1,460 cs, J R Villanna, Yokohama
TUNGSTEN—570 cs, Mercantile Metal & Ore, Kobe
VANADIUM—148 cs, N V Groma, Yokohama
FISHLIVER OIL—2 dms, Consumers Import Co, Yokohama
5 dms, Maxim Chemical Co, Yokohama
10 dms, International Fisheries Research Corp, Yokohama
MEAL—1,000 bgs, Wessel, Duval, Callao
FUEL OIL—281,000 bbls, Esso Export Co, Aruba
122,253 bbls, Asiatic Petroleum, Curacao
61,340 bbls, Port Petroleum Corp, Curacao
89,103 bbls, New England Petroleum Corp, Curacao
104,978 bbls, Hess, Inc, Aruba
3,312 bbls, Shell Oil Co, Curacao
117,192 bbls, Curacao
GALLNUTS—420 bgs, W Zinsser & Co, Hong Kong
GINGER—50 bgs, Charles T Wilson, Kingston
46 bgs, G T German, Kingston
STEM—6 bbls, E Miltenberg, Hong Kong
GLANDS, BEEF—9 cks, F J Benkart, Buenos Aires
5 cks, Parke Davis, Buenos Aires
6 tcs, Armour & Co, Buenos Aires
118 cs, Armour & Co, Buenos Aires
GLUE—200 bgs, M J Corbett Co, Havre
340 bgs, Transatlantic Animal By-Products, Rotterdam
3 bxs, Transatlantic Animal By-Products, Antwerp
BONE—100 bgs, Alltransport, Inc, Hamburg
STOCK—304 bls, Tampico
INSULIN—3 ctns., Buenos Aires
IRISHMOSS—130 bgs, T M Duche, Havre
100 bls, H Reifenberg, Havre
IRON OXIDE—160 bgs, Landers Segal Color Co, London
LEMONGRASS OIL—10 dms, Chevalier & O'Connor, Cochin
LICORICE ROOT—100 bls, R J Prentiss, Messina
LIME OIL—1 dm, W J Bush, Port Au Prince
7 dms, Norda Essential Oil & Chemical Co, Port Au Prince
33 cs, Polaks Frutal Works, London
LIVERMEAL—307 bgs, Albumina Supply Co, Buenos Aires
LOCUST BEAN GUM—100 bgs, Liverpool
444 bgs, Bank of New York, Lisbon
LOGWOOD EXTRACT—30 cks, American Dyewood Co, Kingston
MACE—25 cs, A G Dunn, Granada
63 cs, Internatio Rotterdam, Rotterdam
MANGANESE, METALLIC—40 cs, J W Hampton Jr, Kobe
MAGNESIUM TRISILICATE—10 cks, Aceto Chemical Co, London
MANGROVE BARK—1,553 bgs, Getz Import Co, Esmeraldas
MARJORAM LEAVES — 400 bgs, Wessel Duval, Callao
MEDICINALS—13 kgs, Burroughs-Wellcome, London
MENTHOL—25 cs, Lo Curto & Funk, Taku Bar
25 cs, Magnus, Mabee & Reynard, Taku Bar
219 cs, Vick Chemical Co, Santos
MICA—28 cs, Western Hemisphere Raw Materials Corp, Rio de Janeiro
185 cs, Sylvania Electric Products, Rio de Janeiro
186 cs, Asheville Schoonmaker Mica Co, Buenos Aires
52 cs, Western Hemisphere Raw Materials, Rio de Janeiro
3 cs, Liverpool
45 cs, United Mineral & Chemicals, Calcutta
148 cs, Ameritex Dev Corp, Calcutta
130 cs, Manchard Trading Corp, Calcutta
45 cs, Asheville Schoonmaker, Calcutta
12 cs, Cornelis & Suhr, Calcutta
11 cs, Cornelis & Suhr, Madras
40 cs, Hal Delphin, Madras
50 cs, Asheville Schoonmaker, Madras
19 cs, Hal Delphin, Southampton
35 cs, Eugene Munsell, Rio de Janeiro
100 cs, Sigbert Loeb, London
64 cs, Sigbert Loeb, London
50 cs, James F Garneau, London
87 cs, Ford Radio & Mica, London
MINERAL OIL—20 cs, NY & NJ Lubricant Co, Glasgow
MOLLE SEED—133 bgs, Marcel Calvet, Guayaquil
65 bgs, World Over Export Trade Co, Guayaquil
MOLYBDENITE—2 dms, J W Hampton Jr, Yokohama
MONTAN WAX—500 bgs, Redemann & Co, Hamburg
200 bgs, Wax & Rosin Products, Bremen
73 bgs, Wax & Rosin Products, Hamburg
MURUMURU OIL—281 dms, Hasselman Seaman De Ryss, Para
NEATSFOOT OIL—67 dms, Superintendence Co, Buenos Aires
NICKEL SULPHATE—400 bgs, Philipp Bros Chemicals, Liverpool
NUTMEGS—200 bgs, Middleton & Co, Granada
OIL COLORS—50 cs, Transatlantic Pigment Corp, Hamburg
OITICICA OIL—300 tons, National City Bank, Fortaleza
OLEYL ALCOHOL—1 dm, Liverpool
OLIVE OIL—250 dms, J Ossola, Seville
100 dms, Seville
100 dms, V Sabella, Seville
100 dms, Uddo Taormina, Seville
13 dms, Madina Food Products, Seville
100 dms, N J Import Co, Seville
100 dms, Stelco Sales Inc, Seville
25 dms, Castelcarini Packing Co, Seville
50 dms, Supreme Oil Co, Seville
75 dms, B Filipome, Seville
75 dms, Castello Packing Co, Seville
50 dms, Aroma Foods Corp, Seville
50 dms, A Fantis, Seville
53 dms, Norport Co, Seville
105 dms, A Piccini, Seville
25 dms, G Montagnino, Seville
50 dms, Import Oil Co, Seville
42 cks, Lisbon
ORANGE OIL—15 cs, Citrus & Allied Essential Oils, Kingston
PEELS—127 bgs, Peek & Velsor, Cape Haitien
OX GALL—9 cs, Judson Sheldon, London
11 cks, C M Loeb Rhoades, Buenos Aires
PAINT, ANTIFOULING, PASTE—100 dms, C A Redden, Liverpool
PALM OIL—310 tons, Liverpool
PAPAIN—53 cs, American Ferment Co, Colombo
PEATMOSS—3,900 bls, Premier Peatmoss Corp, Dublin
PEPPER, BLACK—160 bgs, Joensson & Cross, Cochin
80 bgs, M Golodetz, Cochin
160 bgs, National City Bank, Cochin
80 bgs, East India Trading Co, Cochin
64 bgs, D Hecht, Cochin
64 bgs, Otto Gerdau, Cochin
258 bgs, Harwill Co, Madras
PERU BALSAM—4 dms, Norwalk Mills, Cristobal
6 dms, Wessel Duval, Cristobal
PETITGRAIN OIL—2 dms, Norda Essential Oil & Chemical Co, Port au Prince
PETROLEUM, CRUDE—205,332 bbls, Esso Standard Oil, Cartagena
198,297 bbls, California Refining Co, Ras Tanura
124,318 bbls, Esso Standard Oil, Puerto La Cruz
15,983 tons, Socony Vacuum Oil, Puerto La Cruz
PHARMACEUTICALS—1 can, Geigy & Co, Rotterdam
24 dms, Manufacturers Trust Co, Havre
PHOSPHORUS AMORPHOUS—16 cs, Price & Co, Havana
PIMENTO—100 bgs, John Holt, Kingston
100 bgs, A G Dunn, Kingston
100 bgs, Curacao Trading Co, Kingston
80 bgs, J A Manton, Kingston
80 bgs, Fritzsche Bros, Kingston
PITCH—34 dms, J Eisenbeiss, Rotterdam
POLLACKLIVER OIL—30 dms, Albumina Supply Co, Yokohama
53 dms, Consumers Import Co, Yokohama
15 dms, National City Bank, Yokohama
160 dms, Nopco Chemical Co, Yokohama
POPPYSEED—100 bgs, Hinton & Co, Buenos Aires
700 bgs, Becker Mayer, Buenos Aires
100 bgs, Ideal Trading Co, Buenos Aires
200 bgs, Archibald & Kendall, Buenos Aires
200 bgs, Levy & Lewis, Buenos Aires
34 bls, R J Spitz, Rotterdam
POTASSIUM CARBONATE—870 cks, Philipp Bros, Rotterdam
259 dms, Philipp Bros, Rotterdam
434 bbls, Oil & Chemical Products, Hamburg
469 kgs, Millmaster Chemical Corp, Hamburg
CYANIDE—200 dms, Liverpool
110 dms, Terra Chemicals, Rotterdam
15 dms, Arnida Products, Hamburg
QUEBRACHO EXTRACT—3,853 bgs, River Plate Import & Export Corp, Buenos Aires
2,168 bgs, Tanimex Corp, Buenos Aires
RESIN—194 cs, L A Dreyfus Co, Iquitos
SYNTHETIC—135 bgs, F L Kraemer, London
SARSAPARILLA ROOT—25 bls, Tampico
SEEDLAC—200 bgs, W Zinsser, Calcutta
SENNA—84 bgs, R J Prentiss, Hong Kong
168 bgs, Meer Corp, Hong Kong
LEAVES—45 bls, Lo Curto & Funk, Colombo
100 bls, R J Prentiss & Co, Colombo
SESAME SEED—200 bgs, Archibald & Kendal, Cristobal
150 bgs, Levy & Lewis, Hong Kong
SHARKLIVER OIL—14 dms, International Commercial Corp, Buenos Aires
3 dms, Consumers Import Co, Yokohama
10 dms, Collett Week Nibecker, Keelung
SHELLAC—100 bgs, Gillespie Rogers Pyatt, London
35 cs, Bangkok
SILICON CARBIDE—400 cs, Joseph Weiss Co, Yokohama
SILVER SULPHIDE—115 bgs, South American Minerals & Merchandise, Antofagasta
SOAP BARK—450 bgs, S B Penick, Kingston
SODIUM BICARBONATE—6,016 bgs, Chemical Manufacturing Co, Liverpool
SODIUM MONOGLUTAMATE—20 cs, Liya Industrial Dev Corp, Kobe
CARBONATE—7,466 bgs, Chemical Manufacturing Co, Liverpool
7,466 bgs, Chemical Manufacturing Co, Liverpool
8,070 bgs, M W Hardy, Havre
5,000 bgs, International General Electric Co, Havre
CYANIDE—224 dms, Terra Chemicals, Rotterdam
560 dms, Elbert & Co, Rotterdam
10 dms, Arnida Products, Hamburg
HYPOSULPHITE—112 bgs, Liverpool
NITRATE—89 bbls, Wilson Export & Import Corp, Hamburg
SULPHATE ANHYDROUS—5,000 bgs, Monsanto Chemical Co, Rotterdam
SOLELIVER OIL—4 dms, Consumers Import Co, Yokohama
6 dms, Consumers Import Co, Yokohama
STRAMONIUM LEAVES—21 cs, Kellys America, Hamburg
4 bls, Kellys America, Hamburg
STRYCHNINE NITRATE—1 cs, Philip Bauer, Havre
SUGARCANE WAX—40 bgs, Korlis Ltd, London
SULPHUR—25 cks, Lo Curto & Funk, Liverpool
TAPIOCA FLOUR—6,500 bgs, Stein Hall, Itajai
445 bgs, Itajai
2,084 bgs, Bank of New York, Itajaii
1,000 bgs, Stein Hall, Bangkok
PEARL—500 bgs, Bank of New York, Itajai
TEAWASTE—2,968 bgs, Citro Chemical Co, Calcutta
TUMERIC ROOT—110 bgs, M J Golombeck, Kingston
TUNG OIL—269 dms, Arnhold & Co, Taku Bar
184 dms, Pacific Vegetable Oil, Taku Bar
491 tons, L N Jackson, Buenos Aires
TUNGSTEN POWDER—4 dms, Charles Tennant Sons, London
SCRAP—427 cs, J W Hampton Jr, Kobe
VANILLA BEANS—43 cs, Philadelphia National Bank, Havre
VEGETABLE WAX—20 cs, Fleischman Burd, Kobe
108 cs, H A Gogarty, Kobe
VERMICULITE ORE—446 tons, American Vermiculite Corp, Lourenco Marques
VETIVER OIL—7 dms, Norda Essential Oil & Chemical Co, Port Au Prince
WATTLE BARK—1,085 bls, Hammond & Carpenter, Durban
WHALELIVER OIL—4 dms, Interocean Chemical & Minerals Corp, Yokohama
10 dms, Collett Week & Nibecker, Yokohama
13 dms, Collett Week Nibecker, Yokohama
WHITING—1,200 bgs, Hammill & Gillespie, Hull
1,200 bgs, Landers Segal Color Co, Hull
WITHERITE—495 bgs, Enco Chemical Co, Hull
224,000 lbs, E I DuPont de Nemours, Hull
WOLFRAM ORE—803 bgs, W R Grace, Mollendo
WOLFRAMITE ORE—498 bgs, F H Lenway, Yokohama
WOOL GREASE—100 dms, F G Fanning Co, Bremen
50 dms, Phoenix Oil Products, Bremen
100 dms, Hummel Chemical Co, Bremen
134 dms, J J Gavin, Hamburg
55 dms, Corn Exchange Bank, Hamburg
54 dms, N I Malmstrom, Liverpool
95 dms, J Fries, Antwerp
WAX—26 dms, N I Malmstrom, Liverpool
ZIRCONIUM OXIDE——10 kegs, London

Baltimore

ALCOHOL, FATTY SULPHONATED—60 dms, American Alcolac Corp, Havre
BARBASCO POWDER—4,000 bgs, Pan Americana Inc, Iquitos
BONE—564 bgs, Bank of New York & 5th Ave, Buenos Aires
CHESTNUT EXTRACT—798 bgs, 1st National Bank of Baltimore, Naples
CHROMITE—4,727 tons, L J Buck, Lourenco Marques
IRON OXIDE—660 bgs, Mineral Pigments Corp, Rotterdam
MANGANESE ORE—500 tons, Ore Trading Corp, Calcutta
PEATMOSS—650 bls, Halfmoon Manufacturing & Trading Co, Rotterdam
QUEBRACHO EXTRACT—1,044 bgs, Tanimex Corp, Buenos Aires
WATTLE BARK—1,111 bls, Hammond & Carpenter, Durban
822 bls, American Dyewood, Durban
EXTRACT—566 bgs, American Cyanamid Co, Durban

Boston

BONE—945 bgs, Eastman Gelatine Co, Santos
1,049 bgs, Tupman, Thurlow, Durban
COCOA BUTTER EXTRACT—415 bbls, Woodward & Dickerson, Santos
2 cs, Woodward & Dickerson, Santos
COPPER CYANIDE—53 dms, Philipp Bros, Liverpool
CRESYLIC ACID—100 dms, Washine National Sands, Manchester
50 dms, Charles Page, Manchester
GLUE—1,000 bgs, D C Andrews, Liverpool
STOCK—91 bls, Bank of Manhattan, Manila
171 bgs, E Butterworth, Manchester
84 bgs, Train Smith Co, Liverpool
METACRESOL—1 dm, Monsanto Chemical Co, Liverpool
MICA—169 cs, Eugene Munsell, London
40 cs, Western Hemisphere Raw Materials, Santos
PEATMOSS—875 bls, New Amsterdam Import Co, Bremen
SHELLAC—20 bgs, F H Paul & Stein Bros, Bremen
VEGETABLE WAX—10 bgs, H B Morse, London
WATTLE EXTRACT—571 bgs, American Cyanamid Co, Durban

Charleston

WATTLE BARK—1,106 bls, Hammond & Carpenter, Durban

Norfolk

COTTON LINTERS—377 bls, Hercules Powder Co, Santos
FERTILIZERS—2,328 bgs, J C Jett, Manchester
MICA—10 cs, Asheville Schoonmaker Mica Co, Madras

Philadelphia

ALUMINUM—30,000 kilos, Chase National Bank, Rotterdam
32,280 kilos, S Frema, Inc, Roven
ANIMAL WAX—482 cs, Rohm & Haas, Oslo
BONEMEAL—2,204 bgs, Transatlantic Animal By-Products Corp, Alexandria
BRASS SCRAP—163 dms, Melbourne
CANARYSEED—454 bgs, R T French & Co, Istanbul
227 bgs, W G Scarlett & Co, Istanbul
CASEIN—679 bgs, National Casein Sales, Bordeaux
1,000 bgs, H S Cramer & Co, Buenos Aires
CASTOR OIL—292,560 kilos, Anderson Clayton, Santos
CHINA CLAY—26,343,122 lbs, English China Clay Corp, Fowey
CLAY—360 bgs, L A Salomon & Bros, Bremen
CORNWALL STONE—944,944 lbs, English China Clay Corp, Fowey
COPPER SCRAP—117 dms, Rouen
DEXTRIN—200 bgs, Stein Hall, Rotterdam
FLUORSPAR—508,000 kilos, Charles Kurz & Co, Rotterdam

FUEL OIL—101,572 bbls, Atlantic Refining Co, Aruba
GAS PURIFYING MATERIAL—539,000 kilos, Central Hanover Bank, Rotterdam
GLYCERIN—10 dms, Harshaw Chemical Co, London
161,115 kilos, Chemical Bank & Trust Co, Buenos Aires
GYPSUM—12,438 tons, U S Gypsum Co, Hantsport
LIVERMEAL—204 bgs, Buenos Aires

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14 dms, Alona Corp, Seville
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135,478 bbls, Atlantic Refining Co, Puerto La Cruz
326,503 bbls, Gulf Oil Corp, Puerto La Cruz
293,794 bbls, Gulf Oil Corp, Mena Al Ahmadi
121,695 bbls, Gulf Oil Corp, Las Piedras
230,582 bbls, Texas Oil Co, Las Piedras
110,622 bbls, Atlantic Refining Co, Amuay
122,631 bbls, Atlantic Refining Co, Puerto La Cruz
110,294 bbls, Texas Oil Co, Las Piedras
119,621 bbls, Socony Vacum, Covenas
SILICO MANGANESE—50,800 kilos, Frank Samuel & Co, Christiansand
WASHING BLUE—50 cs, Atlantic Sales Co, Manchester
ZIRCON CONCENTRATES—800 bgs, J H Faunce & Co, Brisbane

San Francisco

COPRA—250 tons, El Dorado Oil Works, Iloilo
150 tons, Western Vegetable Oil Co, Iloilo
1,000 tons, Western Vegetable Oil Co, Cebu
500 tons, El Dorado Oil Works, Surigao
1,300 tons, Cargill & Co, Cebu
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500 tons, El Dorado Oil Workes, Tacloban
500 tons, El Dorado Oil Works, Legaspi
FISHMEAL—2,000 bgs, Wilbur Ellis, Otaru
FURNACE SLAG—41 dms, American Smelting & Refining Co, Sydney
LEAD CONCENTRATES—590,184 lbs, American Smelting & Refining Co, Burbie
615 tons, W R Grace & Co, Callao
458 tons, Philipp Bros, Callao
ORE—35 bgs, Sydney
1,222 bgs, American Minerals & Mdse Co, Mollendo
SKIMMINGS—5,700 bgs, South American Minerals & Mdse Co, Antofagasta
MARBLE CHIPS—400 bgs, Leghorn
OLIVE OIL—100 dms, A Giurlani & Bros, Leghorn
PEPPER, BLACK—80 kgs, K A Export Co, Bombay
SAFFRON—6 cs, Parodi Erminio & Co, Genoa
SESAME SEED—6,000 bgs, Pacific Vegetable Oil Co, Hong Kong
SILVER LEAD ORE—1,015 dms, American Smelting & Refining Co, Sydney
TIN—552 slabs, Singapore
111 slabs, H M Newhall, Singapore

Scientific Data Dissemination By Commerce Dept. Approved

Legislation giving the Department of Commerce specific authority for the collection and dissemination of technical and scientific information of interest to business was passed unanimously by the house August 28. The authority is contained in S. 868 which previously passed the senate. It now goes back to the senate for concurrence in several house changes.

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Botanical Drugs, Spices, Gums

Prices on botanicals continued to rise last week. Of the fifty-two materials to develop price change, thirty-five were advances. Fewer domestic medicinal drugs figured in the price advances than they had a week ago. Of the thirty-five articles bringing higher prices, fifteen were medicinal drugs, the majority of which were of foreign origin. In condimental items, cardamoms and nutmegs, led the advances. Black pepper was reactionary at times but remained highly sensitive to swings in market sentiment. The position of merchandise which is of Chinese origin was potentially strengthened by the danger that stevedores may refuse to unload arriving cargoes—as they did the Russian crab meat and furs recently arrived from England. The market index rose 1.1 points to 203.5.

Demand for condimental items was slightly spotty; it lacked the feverish quality that recently dominated transactions involving all positions—spot and forward It was still active in the medicinal drug field, though a shade under the surge of buying that followed the Korean explosion. It appeared as though consumers of both kinds of botanicals had paused to take a breath while inspecting the overall prospects with a closer, possibly a more intelligent, scrutiny. However, it was still considered the part of wisdom to reconsider present consumer stocks in the full knowledge that goods in hand at some future time could be more valuable than dollars in the bank.

Balsams

Copaiba—Higher replacement cost put spot prices up to the basis of 75c. to 85c per pound, prevailing as to dealer.

Peru — Replacement was much higher and spot quotations were forced up to $1.05 to $1.35 per pound by sustained demand.

Tolu—More demand strengthened the spot market and at the end of last week the market was $3.50 to $3.60 per pound.

Barks

Butternut—The higher prices paid for new crop collections this year has been reflected locally in a market that last week was advanced to 25c. to 30c. per pound.

Dogwood—Competition was mainly absent on spot. Replacement cost plus consumer interest brought sales at the higher level of 12c. to 15c. per pound, depending on seller, buyer, and quantity.

Berries

Hawthorn—Local quotations rose slightly to the basis of 40c. to 45c. per pound, depending on seller and quantity required. The replacement position at the origin was firm.

Sloe—Not much of this material has been forthcoming from its origin but some has come in at a lower first cost to the imported. Local quotations have been shaded to 18c. to 30c. per pound and under competition, even less might be accepted.

Herbs and Leaves

Broomtops—Local sales were effected at the higher level of 30c. to 35c. per pound last week, a price in line with replacement.

Hyssop—Herb strengthened and was advanced to 40c. to 45c. per pound under the influence of a moderate revival of demand.

Imports Detained by FDA

Week Ended August 25

New York

Buchu leaves, 48 bales: filthy.
Caraway seed, 37 bags: filthy.
Carragaheen moss, 50 bales: filthy.
Cassia vera, 385 bales: insect filth.
Chamomile flowers, 20 cases: filthy.
Celery seed, 118 bags: live and dead insects.
Chillies, 102 bags: filthy.
Eucalyptus oil, 6 drums: not official variety.
Garlic powder, 50 cartons: sand, soil and other inorganic matter present.
Henbane leaves, 16 bales: filthy.
Juniper berries, 17 bags: live and dead insects.
Milk powder, 935 cases: decomposed and contaminated with dirty sea water.
Nutmegs, 60 bags: moldy.
Pepper, black, 1,082 bags: moldy and insect bored.
Pimento, 100 bags: dead insects.
Rhubarb root, 384 cases: insect filth.
Sage leaves, 20 bales: excess stems.

Boston

Mustard seed, 176 bags: filthy.

Market Trends

Prices Advanced

Drugs

Broomtops, 5c. per lb.
Burdock root, 2c. per lb.
Butternut bark, 3c. per lb.
Calamus root, domestic, 1c. per lb.
Clover tops, domestic, 15c. per lb.
Copaiba balsam, 7c. per lb.
Dogwood, Jamaica, 2c. per lb.
Fenugreek, Moroccan, ½c. per lb.
Gelsemium root, 5c. per lb.
Hawthorn berries, 1c. per lb.
Hyssop herb, 5c. per lb.
Malva leaves, 8c. per lb.
Mullein leaves, 5c. per lb.
Peru balsam, 15c. per lb.
Tolu balsam, 5c. per lb.

Other Articles

Anise, Czech, 1c. per lb.
Turkish, 1c. per lb.
Cardamom, bleached, bold, fancy, 20c. per lb.
bold, 15c. per lb.
decorticated, Mangalore, 40c. per lb.
Cassia, China, Canton, Kwangsi rolls, ½c. per lb.
broken, 1¼c. per lb.
Cumin seed, Iranian, ½c. per lb.
Moroccan, ½c. per lb.
Syrian, ½c. per lb.
Grains of paradise, 2c. per lb.
Marjoram, Chilean, 1c. per lb.
Nutmegs, E.I., broken, limed, 3c. per lb.
whole, shrivels, 5c. per lb.
110's, shipment, 4c. per lb.
W.I., spot, 8c. per lb.
shipment, 10c. per lb.
Pimento, Jamaica, ½c. per lb.
Sage, Spanish, 2c. per lb.
Syrian, ½c. per lb.
Turmeric root, Jamaica, ¼c. per lb.
Haitian, ¼c. per lb.

Prices Reduced

Drugs

Ginger root, African, 1c. per lb.
Jamaica, No. 1, ½c. per lb.
Lovage root, imported, 25c. per lb.
Sloe berries, 12c. per lb.

Other Articles

Anise, Mexican, 1c. per lb.
Cassia, China, Honan, Yunnan rolls, ½c. per lb.
broken, ½c. per lb.
Celery seed, French, 4c. per lb.
Cinnamon, Ceylon No. 2, 5c. per lb.
Marjoram, Peruvian, 2c. per lb.
Pepper, black, spot, 35c. per lb.
Red, Haitian, 4c. per lb.
Hontakas, 3c. per lb.
Turkish, ½c. per lb.
Poppy seed, Dutch, 1½c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept.2, 1949
202.5	201.4	186.4	193.6	176.3

(For Current Prices see Page 9)

Lobelia—Strong at all points and destined for higher levels should demand be no better than normal. Collection has been poor.

Malva—Leaves have sold at 38c. to 40c. per pound and sellers were not disposed to shade. Stocks were moderate and replacement was possible usually at higher levels.

Mullein—A rise in demand resulted in some rise in quotations and at the end of last week the market ranged 21c. to 25c. per pound.

Marjoram—Chilean goods for shipment were higher at 35c. to 36c. per pound. Peruvian was lower on spot, being 38c. to 39c.

Sage—Some Spanish afloat was higher at 13c. to 13½c. per pound. Syrian strengthened and sold a fraction up to 16½c. to 17c.

Roots

Burdock—Higher prices have been paid for replacements still in shipment position and the result has been a rise in spot quotations to the basis of 22c. to 26c. per pound. Some refused to break the outside of the price range.

Calamus—Domestic collection has been off and also has been obtained in limited quantities only at higher cost to the collectors. Local quotations have been raised to 28c. to 30c. per pound.

Gelsemium—Under competitive circumstances, transactions went through on the basis of 30c. to 32c. per pound, a price reflecting part of a higher replacement cost.

Ipecac — The recent advance was extended until spot root in whole form reached $5 to $5.25 per pound. Powder was $5.25 in one quarter; in others, it was priced upwards of $6 per pound.

Lovage—Some have replaced exhausted spot stocks by purchases made at lower foreign market prices. In such instances, spot goods have been put forward at 75c. to 80c. per pound.

Turmeric — Haitian was fractionally higher at 10¼c. to 10½c. per pound and Madras root was also more valuable at 10½c. to 11c. Alleppey at 35c. to 36c. per pound was in restricted supply only.

Seeds

Anise—Czech seed sold at a rise to 15c. to 15¼c. per pound. Mexican was off a

For Late Market Developments, See Page 4

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fraction to 15½c. to 16c. Turkish went up to 15c. to 15¼c. on receipt of higher cables.

Cardamom—No end to the ability of shippers to get higher prices. Fancy bold, bleached seed was raised to $3.80 to $3.85 per pound and ordinary, bold bleached became $3.65 to $3.70. Decorticated Mangalore seed became $3.65 to $3.70.

Celery—Some French seed now afloat was offered at 38c. to 38½c. per pound, against the recent spot quote at 42c.

Cumin—All kinds were higher in price and stood at 18½c. to 19c. per pound throughout the past week. Replacement was stronger.

Fenugreek—Moroccan seed actually on spot cost 6½c. to 7c. per pound. Not much was available at the fractional rise. Syrian held at 7c. to 7½c.

Poppy—Dutch seed was more readily obtainable and at prices considerably lower; the market ended the week at 22c. to 23c. per pound.

Spices

Allspice—Mexican material was in solely nominal position. The nominal quotation was 21½c. per pound but stocks seemed absent.

Cassia — Canton and Kwangsi selected rolls were eased back to 16c. to 16½c. per pound. Honan, Yunnan spice when scraped was 18c. to 18½c. for whole and 17c. to 17½c. for broken. Unscraped rolls in whole form were 17c. to 17½c.; broken, 16c. to 16½c. These were fractional declines from last previous quotations. If longshoremen refused to unload China ships, a pinch on supply would be indicated.

Cinnamon—Some spot Ceylon No. 2 became available at 35c. to 36c. per pound, a substantial price drop.

Clove—From Zanzibar came the estimate of 20,000 tons for the coming Mwaka and Vuli crops. The former is August-December, and the latter is December-February. Only 18,000 tons was expected to become available for export. A price expectancy for the new crop was around 23c. per pound, to come into being in October-November. Estimate of the coming December-January Madagascar crop was 2,500 tons. Spot prices did not change.

Ginger—African root was down to 43c. to 44c. per pound and prices on No. 1 Jamaica root were shaded to 63½c. to 64c.

Nutmeg—Price advances in the West Indies were very sharp. East Indian material was also substantially higher. Spot prices ended the week as follows:—East Indian, broken, limed, 62c. to 65c. per pound; whole, shrivels, 62c. to 65c.; 110's, for shipment, 62c. to 63c.; West Indian, spot, 45c. to 46c.; shipment, 48c. to 48½c., landed New York.

Pepper—Spot prices on black pepper dropped sharply to $2.70 to $2.75 per pound last week and offerings were in very small to single bag lots. At times, August arrival was $2.35; September arrivals, $2.03 to $2.07; October deliveries, $1.95c. September shipment, $1.90.

The Indonesian crop was estimated at 5,000 tons of which 2,100 tons was under contract. Indonesian consumption, estimated at 725 tons. Balance now unsold for world consumption, 2,175 tons. A review on arrival prospect suggested that from January through August, the import was 7,324 tons (only half of August could be compiled). This compared with eight month imports in 1949 at 8,374 tons.

Prices on Friday afternoon were:—Spot, $2.60 to $2.65 per pound. September shipment, $1.90 to $1.95; September arrivals, $2.02 to $2.05.

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Essential Oils, Other Aromatics

Still gathering strength, the essential oils and aromatic chemicals market last week saw price advances of eighteen oils, notable among which were California orange, lavender flower, snakeroot, wormseed and abies siberica oils. These increases completely overshadowed the five slight reductions made. The price index moved up to 174.1, which was 9.8 points over the index of the previous week.

Domestic materials of all types were exceptionally strong and orange oil, in particular, took on a new firm tone. The mints have been reported to be in a difficult position following the discovery of a rust blight which has affected some of the growth in the west coast area. Wormseed, cedarleaf and snakeroot oils have been advanced, reflecting the increased cost of production at the source.

Materials from Russia and Russian dominated countries were placed in a precarious position. A ship out of Leningrad which included coriander, anise and abies siberica oils in its cargo was refused unloading, in keeping with the apparent policy of the longshoremen, and was forced to return to Europe with its wares. A ship has been reported on its way from Red China containing camphor oil, cassia and anise oil, and it was feared that it would meet with similar treatment.

Market Trends

Prices Advanced

Abies siberica oil, 20c. per lb.
Anise oil, 5c. per lb.
Bergamot oil, natural, 25c. per lb.
Cedarleaf oil, 10c. per lb.
Citronella oil, Ceylon, 10c. per lb.
Eucalyptus oil, 70-80%, 5c. per lb.
80-90%, 5c. per lb.
Fir oil, Canada, 10c. per lb.
Geranium oil, Algerian, $1.50 per lb.
Bourbon, $2.50 per lb.
Lavandin oil, 40c. per lb.
Lavender flower oil, 30-32%, 25c. per lb.
38-40%, 25c. per lb.
40-42%, 25c. per lb.
Lemongrass oil, 10c. per lb.
Nutmeg oil, East Indian, 15c. per lb.
Orange oil, California, 50c. per lb.
Petitgrain oil, 10c. per lb.
Snakeroot oil, Canada, 50c. per lb.
Vetiver oil, Bourbon, $3 per lb.
Haitian, 85c. per lb.
Wormseed oil, 35c. per lb.
Ylang-ylang oil, extra, $3 per lb.
Madagascar, $1.75 per lb.

Prices Reduced

Angelica seed oil, $10 per lb.
Celeryseed oil, $2 per lb.
Coriander oil, $1 per lb.
Fennel oil, sweet, 15c. per lb.
Lavender spike oil, 5c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept.2, 1949
174.1	164.3	146.1	102.8	108.0

(For Current Prices see Page 9)

Essential Oils

Abies Siberica—Replacements were reported to be in a doubtful position and the limited quantities of spot material again advanced 20c. per pound to range from $3.25 to $3.60 per pound.

Anise—Spot quotations again increased to $1.35 to $1.60 per pound. Dealers found the primary source reluctant to make any offers, although there was a feeling that there might be some relaxation in supply conditions in the near future.

Bergamot—As had been expected, tight supply conditions have brought a 25c. rise in quotations of Italian oil, which placed the market at $5.75 to $6.50 per pound. Artificial material was also advanced to range from $2.50 to $3.75 per pound, depending upon size of orders.

Cedarleaf—There has been some firming of prices of this article, which could be obtained at $2.20 to $2.50 per pound, some 10c. more than previous quotations. Dealers were inclined to blame the increase on the rise of production costs at the source.

Clove—According to observers, there has been a slight easing in the position of this oil, although prices remained unchanged at $1.80 to $2.35 per pound. Last week found the spice situation a bit more favorable and this has had a good effect upon the oil.

Coriander—Several dealers were able to quote spot material at $21 per pound, which was $1 below the minimum offer of the previous week. Prices continued to range up to $26.50. The price decline could not, however, be taken as an indication of improved supply conditions, since all handlers expressed grave doubts as to the possibility of bringing Russian materials into the domestic market.

Eucalyptus—Prices showed some additional firmness, with 70-80 percent grade quoted at 65c. to 88c. per pound and 80-90 percent material at 80c. to $1.25 per poundw. Replacement costs of Australian material have risen sharply and very little has been coming in from that source.

Fennel—Because of good warehouse supplies, this item was offered at a more reasonable price last week, ranging from $2.30 to $3.25 per pound. Generally of limited interest to industry, dealers reported this market to be quiet.

Geranium—Continuing unhampered in its upward drive, the price of Bourbon oil again advanced $2.50 per pound and quotations stood at $28.50 to $35. Some handlers reported their Algerian oil stocks to be completely exhausted. Those who continued to quote the material held prices at $24.50 to $32 per pound.

Lavender—Flower oil of all ester grades advanced sharply during the past week. The 30-32 percent grade was priced at $2.50 to $3.85 per pound, 38-40 percent grade at $3.85 to $5.65 and 40-42 percent grade at $4.25 to $6.25. The new crop was due during September, but French distillers have reported that heavy commitments have already been made for the expected yield. Spike oil was available at 5c. per pound below the price of previous weeks, ranging from $1.20 to $1.55 per pound.

Lemon—Following the advance of the previous week, California oil held steady at prices ranging from $3.50 to $4 per pound, depending upon brand. Messina oil showed similar price stability and dealers reported good quality oil of that origin hard to come by.

Orange—Last week brought an acute price advance of 50c. per pound for California oil, according to producer. It was quoted at $1.25 to $1.75 per pound. Supplies were reported to be rather limited and the trade expressed the opinion that further strengthening might be expected.

Peppermint—Recent reports from Oregon and Washington indicated that a rust has had a damaging effect upon the mint crops in that area and that the yield may thus be expected to fall below previous estimates. Midwestern sources have boosted shipping prices as much as 50c. per pound. Good quality oil was in extremely short supply on the spot market. As yet prices have not been advanced, but observers believed that there would be considerable strengthening of this market in the near future.

Sage—A number of dealers have been forced to discontinue quotations on Dalmatian material for lack of stocks. Those who could still offer the material maintained prices of $8 to $9.75 per pound. The new crop was expected near the end of the year, but there was small hope of its improving the price position to any extent.

Snakeroot—In an extremely tight position, this oil moved up sharply last week. Offers ranged from $19.25 to $32.50 per pound. Information from the source revealed that gatherers were reluctant to bring in the material as they felt that their returns were insufficient to cover production costs.

Vetiver—Once again all varieties jumped sharply higher. Those dealers who could offer any Bourbon oil priced it at $23 to $28 per pound, some $3 higher than previously. Small stocks of Haitian material could be had at $17.85 to $20 per pound and some very limited quantities of oil of Javanese origin was priced at $22 to $26 per pound.

Wormseed—A 35c. per pound advance was made in the minimum offer of this oil to $5.10, and the majority of offers were made between $5.25 and $5.75. The material was in very short supply and producers claimed that high production costs and insufficient returns have made distillation impractical.

Ylang-Ylang—Bourbon oil remained steady during the past week, but extra grade oil advanced to range between $20 and $21 per pound. Madagascar material was offered in a very limited way at $12.25 to $12.50 per pound. Very meager quantities of all types have trickled into the market, and at extremely high cost.

Aromatic Chemicals

Amyl Cinnamic Aldehyde—This chemical was in fairly good supply at prices ranging from $1.60 to $2.05 per pound, depending upon quantity. It was actively called for by perfume and soap manufacturers.

Vanillin—All types were reported to be extremely tight by producers, because of the scarcity of basic materials. It was almost, if not entirely, impossible to buy any except on long time contracts. Prices remained stable.

For Late Market Developments, See Page 4

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Specific gravity at 77° F.	0.90-0.91
Viscosity, Gardner-Holdt Scale, at 77° F.	
at 50% solids	Z_1Z_5
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Color, Gardner Scale, 1933	10 maximum
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Protective Coatings Materials

Considerable fluctuation was noted in the market for protective coatings materials last week, with imported casein leading the list. The devaluation of the peso in Argentina left the market in that country confused and the best that could be obtained in New York was a nominal price of 33 cents, which represented a 2½ cents drop. It was predicted here that prices would decline as a result of the devaluation. Some sources pointed out that the devaluation last Fall had a similar immediate effect but that later things leveled off to about where they had been. Domestic premium was up 10½ cents as a result of one producer, who had been on the low side of the range, withdrawing from the open market.

Lead metal was 1 cent higher. This put up the oxides, litharge and orange mineral 1 cent. Dry white basic carbonate was up ¾ cent with one producer, but another was holding. One went up ½ cent on basic silicate white lead, but the move was not universal. Chrome orange held on the low of the range but advanced 4 cents on the high side last week. Molybdate orange was up 2 cents on the high side but unchanged on the low. Chrome yellow held on the low but advanced 2 cents on the high side of the price range. The soda ash shortage was still having an adverse effect on the supply picture.

With glycerin and phthalic anhydride becoming tighter and more expensive, the market for synthetic resins was becoming more uncertain. Producers, it was said, have absorbed most of the impact of higher costs to date. Consumers have yet to feel the full effect. Shellac was unchanged as to price. Demand was good and the supply was sufficient to accommodate the normal needs of the market.

Market Trends

Prices Advanced

Casein, domestic, premium, 10½c. per lb.
Lead oxides, 1c. per lb.
white, basic silicate, ½c. per lb.
Litharge, 1c. per lb.
Orange, mineral, 1c. per lb.
Rosin, gum, Savannah, G, H, I, K, M, 24c. per 100 lbs.
N, WG, 25c. per 100 lbs.
WW, X, 35c. per 100 lbs.
New York, B, D, 50c. per 100 lbs.
E, F, G, H, I, K, M, N, 45c. per 100 lbs.
WG, 30c. per 100 lbs.
WW, X, 35c. per 100 lbs.
Turpentine, gum, New York, 6c. per gal.

Prices Reduced

Casein, imported, acid-precip., 2½c. per lb.
Rosin, gum, Savannah, F, 1c. per 100 lbs.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept.2, 1949
180.0	180.0	176.4	196.4	208.6

(For Current Prices see Page 9)

Prime Pigments

Lead Pigments—A 1c. increase in the price of pig lead last week brought with it increases of 1c. in the various grades of dry red lead, litharge and orange mineral. Dry white basic carbonate was up ¾c. and white basic silicate was up ½c. These changes were effected by only one producer by press time Friday. This meant that basic carbonate held on the low side while the basic silicate was up to the former high side.

Orange, Chrome—The low price of 25c. per pound was still holding in some quarters during the past week, but in another direction it was announced that the figure had been advanced to 29c. per pound. Further revisions were expected on the low side of the range on October 1. Notices to that effect had already been sent to customers. The demand for the material continued at high levels but the supply was not in a generally good position, and largely because of the difficulties being created by the alkali strike.

Orange, Molybdate—The low of the range price of 40c. was still holding although it was announced during the period under review that one producer had put its figure up to 42c. Demand continued to be noted at good levels but because of the bichromate shortage there was still not enough of the material to fill the needs of all those who had use for it.

Yellow, Chrome—The high side of the price range, which had been 27c. during the previous week, advanced to 29c. during the period under review, as all producers continued a study of their schedules and one put an increase into effect. The low side of the range continued at 25c., but the indications were that it would not hold there for very long. One company had already announced that it was revising schedules on October 1 and another during the past week was sending such advices to its customers. The demand continued to be noted at high levels, with no signs of a let-up, while the supply was still adversely affected by the alkali strike.

Zinc Oxides—The zinc metal market continued strong during the period but with the absence of actual revisions in the metal there were no variations noted in the listings of the oxides. The supply and demand picture remained about what it had been.

Synthetic Resins

The situation in synthetic resins was one of confusion last week, and the uncertain market in raw materials seemed likely to keep it that way for some time to come. Glycerin and phthalic anhydride were becoming shorter and more expensive and this was affecting production schedules and cost evaluation of the resins. Buyers, it was said, have still to feel the real impact of the situation. The advances in price that have been passed along were termed "peanuts" compared to what they might be if the situation in raw materials becomes any more severe. Users of synthetics have not been frightened off by the possibility of higher prices and one producer said it was not quoting prices on future orders. It was booking the orders with the price to be established later. There was the possibility of a steel allocation program that would reduce the demand for synthetic resins but this was as yet not holding back the demand, since manufacturers needing resins seemed hopeful of getting their products on the market before the allocation. One producer of terpenes announced that it had advanced its schedule ½c. per pound because of rises in materials, freight and containers.

Natural Resins

The price structure of the natural gums was still holding at steady levels last week. Demand was good and looked as though it would stay that way for the foreseeable future. It was said that it was a healthy demand that represented business in hand rather than buying against the future. One house pointed out that it had seen very little scare buying and found consumers confident of their future supply. Stocks here were sufficiently high to accommodate the normal needs of the market. Offerings from Singapore were still being made and there was said to be no particular difficulty in getting material from that source. However, there was some tightening up in the Macassar market as a result of political unrest there. No offerings from that place had been made in a month or so.

Shellac—Prices for all grades were holding at previously established levels during the past week. Demand was continuing well and it was reported that the future was well booked. Supply was sufficiently high to handle normal demands. The Indian market was said to be showing a fairly good bit of steadiness Demand had leveled off recently. Following the beginning of hostilities in Korea, it skyrocketed but after a time it tapered off to a level that did not indicate an undue amount of scare buying. Most was said to be for business in hand.

Miscellaneous Materials

Casein—Devaluation of the peso in Argentina left the market for casein in a confused position at week's end. The prediction was that offering prices will decline, but as yet it was too early to do much more than guess. The situation at the source was so confused that no quotations were available and no offerings were being made. The best price available in New York was 33c. nominal or 2½c. lower than last week's figure. The last time the peso was devalued, nearly a year ago, there was similar confusion on this market for several days but eventually things settled down to approximately the levels at which they had been.

Domestic standard was still holding at 38c. to 39½c. During the previous week a figure of 29c. was carried for domestic premium, but the producer at that level announced last week that it had withdrawn from the open market and was now accommodating only its regular customers. Therefore, no figures were available from that source and the low of the range figure became 39½c., as supplied by another producer. The high of the range was unchanged at 41½c. Demand for domestic was slow at this time. The long Labor

For Late Market Developments, See Page 4

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#680 RED OXIDE — For making rust-inhibitive primers, also used in protective coatings for ammunition boxes. High Iron Oxide content, good suspension and easy grinding.
#680 YELLOW OXIDE — Ideal for use in formulating Olive Drab coating, lusterless, semi-gloss and gloss. Also used in formulating Government camouflage paints.
#680 MINERAL BLACK — To make Black Lusterless paint for use over sealed wood, as on wood barges above waterline. Also for use in other Government specification coatings.
#680 MULTICEL — A Diatomaceous Silica, generally used as a flatting agent and extender pigment. This grade will produce a non-secular flatness required in the lusterless enamels covered by Government specifications.
#680 SILVATEEN SILICA — This grade is classed as an Amorphous Colloidal Silica, recommended for use in lusterless Olive Drab and any other coating that has to stand infra-red tests.
Special information...
All of the above 5 raw materials were prominent during World War II—Government references being Spec. 680-A — AXS-684 — AXS-1077 — 5259 — and Formula 16X.
TAMMS INDUSTRIES, Inc.
FORMERLY TAMMS SILICA CO. DEPT. RM-18, 228 N. LA SALLE ST., CHICAGO 1, ILL.

Day weekend meant that many buyers were out of town and demand was expected to pick up in a few days. Supplies were at sufficiently high levels to accommodate the needs of the market, although there was no surplus. With the retail milk price due to go up 1½c. Sept. 1, the market for milk by-products was seen as strengthening.

Naval Stores

The CCC, with 175,000 drums for sale, has raised the price of gum rosin 35c. per 100 pounds. This makes the price $6.60 for N through G, $6.70 for WG, and $6.85 for X and WW.

Pine Gum—Prices received by producers for crude pine gum delivered to processing plants during the week ended August 26 averaged $21.92 per standard barrel of 435 pounds, according to the Department of Agriculture. This compares with $21.40 a week earlier.

The twenty-three reporting plants received 28,613 barrels of gum, on an average of 1,244 barrels per plant, compared with 1,309 barrels for the previous week. The contents per barrel averaged 11.51 gallons of turpentine and 299.2 pounds of rosin. The gum was graded 51 percent WW, 17 percent WG, 11 percent N, 10 percent M, and 11 percent K and below.

The record of the gum navel stores markets during the week ended September 1 was as follows:—

Gum Rosin

Price per 100 lbs.

	Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs.	Fri.	New York c.l., l.c.l., f.o.b. ex N. Y. whse. Friday	
B	$4.10	$4.10	$4.10	$4.10	$4.10	$7.00	$7.75
D	4.25	4.25	4.25	4.25	4.25	7.00	7.75
E	4.75	4.75	4.75	4.75	4.75	7.65	8.40
F	6.29	6.25	6.25	6.25	6.25	7.65	8.40
G	6.29	6.25	6.25	6.25	6.50	7.65	8.40
H	6.29	6.25	6.25	6.25	6.50	7.65	8.40
I	6.29	6.25	6.25	6.25	6.50	7.65	8.40
K	6.29	6.25	6.25	6.25	6.50	7.65	8.40
M	6.29	6.25	6.25	6.25	6.50	7.65	8.40
N	6.29	6.25	6.25	6.25	6.51	7.65	8.40
WG	6.29	6.29	6.29	6.29	6.51	7.70	8.45
WW	6.40	6.40	6.40	6.40	6.75	7.90	8.65
X	6.40	6.40	6.40	6.40	6.75	7.90	8.65

Drums

Sales	138	143	...	...	200
Receipts	485	1,012	968	283	835
Shipments	4,845	80	...	...	1
Stocks	32,344	33,276	34,244	34,527	35,361

Gum Turpentine

New York, Friday, tanker, f.o.b. ... gal. (7 lbs.) .67
ret. dms., l.c.l., ex whse .... gal. (7 lbs.). .73

	Savannah Exchange, Bulk Mon.	Tues.	Wed.	Thurs.	Fri.
Per gal	.49	.49	.49	.55½	.60
Sales, bbls	...	...	...	.80	.80
Receipts, bbls	1,530	179	197	329	427
Shipments, bbls	185	249	47	...	88
Stocks, bbls	11,712	11,644	11,794	12,123	12,462

Atlas Publishes Booklet

A new booklet describing the line of "Duranite" clear and pigmented synthetic baking finishes has been issued by the industrial finishes department of the Atlas Powder Company, Stamford, Conn., and North Chicago, Ill. The booklet also includes data on "Duranites" for Controlled Tempertature Application (CTA).

Trade Briefs

Pratt & Lambert, Inc., Buffalo, N. Y., has filed plans with the city to enlarge its plant at 75 Tonawanda street at a cost of $20,000.

Hilo Varnish Corporation, Brooklyn, N. Y., has awarded a gold watch to Walter Kedenburgh for twenty-five years of service with the company.

United States Rubber Company has transferred the sales and technical service activities of its printing materials department from New York to Providence, R. I.

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Rankin Named Manager Of Four Glidden Units

Glidden Company, Cleveland, Ohio, has appointed James C. Rankin manager of the concern's four operating units in Indianapolis, Ind. Manager of Glidden's feed mill division in Indianapolis since 1949, Mr. Rankin now has been made responsible for operation of the new $3,000,000 soya extraction plant, the 1,500,000-bushel grain elevator and the paint and varnish division warehouse. Prior to his appointment as manager of the feed mill division, he was, successively, assistant to the manager of industrial and transportation sales, manager of the specialty sales department and executive assistant to the president.

At the same time, the company promoted George F. Atkinson, executive assistant to the president, to the position of general manager of the Durkee Famous Foods Division. Mr. Atkinson, who has been in the Durkee employ since 1929, was transferred to Glidden's headquarters staff in January of this year from his post as manager of the Durkee plant and refinery in Louisville, Ky.

Chicago Paint Fellowship Awarded to Howard Bauman

The Chicagoland Paint Industries 1950 fellowship in chemical engineering has been awarded to Howard F. Bauman, it was announced recently by W. A. Lewis, dean of the Illinois Institute of Technology graduate school. The fellowship, sponsored jointly by the Chicago Paint, Varnish and Lacquer Association and the Chicago Paint and Varnish Production Club, provides an award of $1,000 and tuition for two semesters leading to a master of science degree in chemical engineering.

Catalin Expanding Plant

Chemical plants division of Blaw-Knox Company will design and construct additional facilities for the Calumet City, Ill., plant of Catalin Corporation of America. This plant was recently completed, but the demand for its liquid resin product has been so great that Catalin has decided to enlarge it. Two additional processing kettles, complete with all the required auxiliaries, will be installed. The expansion will be completed in the early fall.

Risler Retires from DuPont After 47 Years With Firm

Harry S. Risler, assistant to the director of production of the finishes division of E. I. du Pont de Nemours & Co., retired August 31, after forty-one years with the company. Starting as a clerk in the dynamite plant at Repauno, N. J., in 1909, Mr. Risler soon rose to be chief clerk at the commercial explosives plant in Louviers, Colo. He occupied that position at the Barksdale, Wis., plant from 1915 to 1919.

In 1919, when Du Pont began to expand its activities in the finishes business, Mr. Risler was transferred to the paint department at Wilmington. For the next thirty years he was active in production. Among other positions he held were those of superintendent of acids and heavy chemicals, at Philadelphia; control manager of the fabrics and finishes department at Wilmington, and manager of the Chicago and Philadelphia finishes plants. Since 1944 Mr. Risler has been in the general operating section in the Wilmington headquarters of the finishes division.

Carbide Issues Textile Data

Carbide & Carbon Chemicals Division, Union Carbide & Carbon Corporation, New York, has published a new bulletin on "Uncon" textile lubricants for woolens and worsteds. Based on a two-year testing program, the publication (form M484) summarizes the advantages and physical properties of Carbide's new water-soluble water oils. Copies of the bulletin are available upon request to the company, 30 East 42nd street, New York 17.

Trade Briefs

Socony Paint Products Company, Raritan, N. J., has offered the township council the facilities of the company's medical department, as well as its fire fighting equipment, manned by trained personnel, in the event of an emergency.

C. P. Hall Company, Akron, Ohio, has issued a new catalog listing its line of accelerators, activators, antioxidants, pigments, solvents, plasticizers, reclaiming oils and other specialties which may be obtained upon request.

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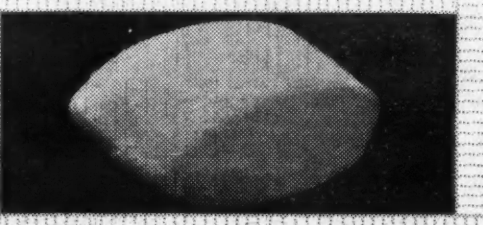

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Warehouse Stocks at Strategic Points

O'Dwyer Joins Nuodex

Thomas J. O'Dwyer, formerly midwest manager for the chemical division of the Celanese Corporation of America, New York, has been appointed to represent Nuodex Products Company, Elizabeth, N. J., in the middle western area. In his new post Mr. O'Dwyer will handle the complete Nuodex line of driers, wetting and drying aids, and fungicides. He joined Celanese in 1945.

Chemical Uses in Cal.

—*Continued from page 5*

Commercial Laundering

	Pounds
Alkaline builders	7,500,000
Bleach (20%) gal.	300,000
Bluing (dry basis)	2,000
Soap and synthetic detergents	3,500,000
Sour	550,000

Dry Cleaning

	Pounds
Carbon tetrachloride	1,750,000
Perchloroethylene	3,000,000

Dynamite

	Pounds
Aluminum powder	300,000
Ammonium nitrate	16,000,000
Aqua ammonia (20%)	1,100,000
Cornstarch	3,250,000
Dinitrotoluene (oil)	650,000
Ethyleneglycol	2,000,000
Glycerin	2,500,000
Mixed acid	25,000,000
Nitrocellulose	200,000
Sodium nitrate	15,000,000
Zinc oxide	30,000

Food-Processing

	Pounds
Caustic soda	3,000,000
Salt	13,000,000
Sulphur	4,000,000

Industrial Cleaning

	Pounds
Chemical cleaners, not specified	250,000
Isopropanol	250,000
Methanol	125,000
Perchloroethylene	150,000
Solvents, not specified	600,000
Specialty products	25,000
Trichloroethylene	2,500,000

Pest-Control

	Pounds
Benzene hexachloride (12% gamma)	250,000
Calcium arsenate	250,000
Chlordane	50,000
Copper salts	1,000,000
2,4-D	50,000
DDD	200,000
DDT	1,000,000
Dichloropropane-dichloropropene mixture	150,000
Ethylene dibromide	250,000
Fluorine compounds	200,000
Lead arsenate	750,000
Lime-sulphur gal.	500,000
Mercury compounds	10,000
Nicotine	50,000
Pyrethrum	25,000
Rotenone	50,000
Spray oils gal.	2,500,000
Sulphur	20,000,000
TEPP	100,000
Toxaphene	50,000

Petroleum Refining

	Pounds
Ammonia	4,000,000
Catalysts	6,000,000
Caustic soda	60,000,000
Litharge	2,000,000
Methylethyl ketone	2,500,000
Phenol	3,200,000
Sulphur dioxide	2,000,000
Sulphuric acid	280,000,000
Tallow and fatty acids	6,500,000
Tetraethyl lead compound	16,000,000

Rubber

	Pounds
Accelerators	160,000
Antioxidants	110,000
Carbon black	6,000,000
Plasticizers, softeners, tackifiers	800,000
Stearic acid	180,000
Sulphur	400,000
Zinc oxide	750,000

Surface Coatings
(Entire State)

	Pounds
Asphalt and pitch	10,000,000
Casein and other proteins	1,600,000
Chemical plasticizers	1,000,000
Colored pigments	23,000,000
Carbon black, lampblack	1,200,000
Chrome colors	3,600,000
Inorganic blues	800,000
Litharge	900,000
Metal powders	1,000,000
Mineral earth colors	11,700,000
Organic lakes and toners	1,600,000
Red lead	2,200,000
Driers	3,000,000
Extenders	54,000,000
Barytes	6,000,000
Clay	4,700,000
Mica	2,800,000
Not specified	1,500,000
Silica	6,000,000
Talc	21,900,000
Whiting	11,100,000
Oils	59,000,000
Dehydrated castor	3,800,000
Linseed	31,300,000
Not specified	4,700,000
Soybean	10,000,000
Tung	9,200,000
Resins	60,400,000
Natural	10,400,000
Copal, dammar, and others	1,500,000
Rosin (as such)	6,700,000
Shellac	2,200,000
Synthetic	50,000,000
Alkyd	28,000,000
Cellulose derivatives	4,100,000
Not specified	3,000,000
Phenolic	5,700,000
Rosin esters and adducts	6,800,000
Urea and melamine	2,400,000
Thinners gal.	30,000,000
Alcohols gal.	1,900,000
Coaltar solvents gal.	2,700,000
Esters, ketones, alcohol-ethers gal.	2,700,000
Petroleum solvents gal.	21,000,000
Turpentine gal.	1,700,000
White pigments	94,000,000
Lithopone	20,900,000
Titanium dioxide	46,500,000
White lead	8,200,000
Zinc oxide, leadfree	5,400,000
leaded	13,000,000

Synthetic Resins

	Pounds
Acids, not specified	100,000
Ethyleneglycol	200,000
Formaldehyde	1,850,000
Glycerin	2,225,000
Maleic anhydride	500,000
Oils and fatty acids	12,000,000
Pentaerythritol	750,000
Phenol	1,750,000
Phthalic anhydride	5,000,000
Solvents	15,000,000

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Petroleum Derivatives

Five grades of intermediate aromatic solvents were on the up side by 2½c. per gallon. Advances were also noted in four grades of fully refined paraffin, slabs, loose. These amounted to .0060 cent per gallon. Upper and lower field Pennsylvania crude held at the recently advanced higher listing.

Otherwise, the market was without change as to price. Toluol and xylol were as tight as ever and a strike at the refinery of one producer had a further adverse effect on the supply picture. The higher boilers were still in a tight supply position while there was no let-up in the s rength of the demand. Aliphatics were going along about as usual. Demand was at levels that were considered generally good while the supply was sufficient to meet the needs of the market. There was no particular change noted in the market for lighter fractions. Microcrystalline wax was without real change. Demand for petrolatum remained high, but the supply was not all that was hoped for. White mineral oils were in a strong market, and held steady on price although there recently had been some talk of revised prices. Demand continued high although the supply was not particularly strong.

Solvents and Diluents

Aromatic Solvents—Toluol and xylol were in a tight position last week, as they had been for some time, and the strike at the mid-west plant of one producer did nothing to ease the situation. It also affected output of some "custom built" base oils. Demand for toluol and xylol was running high and the indications were that it would continue that way for some time to come. There was a recent advance of 2c. per gallon on toluol at Wood River, Ill., but that was the last revision recorded. Higher boilers continued in as tight a supply position as ever and there seemed to be no hope of immediate easing. The demand was strong and it was indicated that it would go on that way for the foreseeable future.

One maker of intermediate aromatic solvents, who had been on the low side, advanced its listings 2½c. per gallon last week. This brought the price up to 22c. per gallon for the following grades:—200-235 b.r., 25-26 C. m.a.p.; 270-370 b.r., 26-27 C. m.a.p.; 300-400 b.r., 28-32 C. m.a.p.; 340-410 b.r., 32 C. m.a.p.; 340-410 b.r., 36 C. m.a.p. Demand was still running high with the supply on the tight side.

Cleaners' Naphtha—The demand for this item was still being noted at good levels during the period under review and the indications were that it would go on that way. Supply was at high enough levels to satisfy the demands of the market without any difficulty. The price listings were holding at unchanged levels.

Lacquer Diluent—Pricewise, there were no changes and there were none indicated for the immediate future. The supply was in good shape and there was no difficulty in filling orders. Demand was at good levels and it appeared likely that it would continue so.

Mineral Spirits—The call for this item remained good with a normal share going into the paint trade. Supply was at levels sufficiently high to obviate any difficulty in the filling of orders. There were no changes in the price range and none were indicated for the immediate future.

Rubber Solvent—The market for this item was without any particular change in the period under review. Demand was holding at good levels and appeared likely to go on that way. Supply was sufficiently high to accommodate the needs of the market with comfort. Prices held and the indications were that they would continue to.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended August 19 totaled 238,461,000 barrels, according to the Bureau of Mines. Compared with the total of 238,554,000 barrels for the preceding week, this represents a decrease of 93,000 barrels, comprising a decrease of 469,000 barrels in stocks of domestic crude and an increase of 376,000 barrels in stocks of foreign crude.

Market Trends

Prices Advanced

Intermediate aromatic solvents, 200-285 b.r., 25-26 C., m.a.p.; 270-370 b.r., 26-27 C., m.a.p.; 300-400 b.r., 28-32 C., m.a.p.; 340-410 b.r., 32 C., m.a.p.; 340-410 b.r., 36 C., m.a.p., 2½c. per gal.

Paraffin, fully refined, slabs, loose, 122-124 ASTM, 125-127 ASTM, 130-132 ASTM, 132-134 ASTM, .0060c. per lb.

Prices Reduced

None

(*For Current Prices see Page* 9)

Stoddard Solvent—No changes were reported in the price listings and none appeared likely during the period. The supply was at good enough levels to satisfy users' wants without a pinch. Demand was reasonably strong and no falling off seemed likely.

V. M. & P. Naphtha—The paint trade was taking its share of this item and in general the demand was at good levels. Supply was sufficient to cover the needs of the market without difficulty. There were no changes in price and none were forecast for the immediate future.

Lighter Fractions

Hexane—The demand in general was reported to be good, and recently there had been some strengthening noted. Supply was ample for the needs of the market. Prices were unchanged from the previously noted levels.

LPG's—The market for butane and propane was holding generally steady during the past week. The demand was at good levels and although the first of September marked the approximate close of the summer season, it was expected that the summer load would continue on somewhat beyond that date. Supply was sufficiently high to meet the needs of the market without difficulty. There were no changes reported in price and none were indicated for the immediate future.

Pentane—The market for this item was in a largely unchanged position during the past week. The demand was holding at fairly good levels and the supply was high enough to fill it without any particular difficulty. Prices were at unchanged levels and no revisions appeared imminent.

Waxes

Microcrystalline—Prices were holding at previously noted levels. Demand continued to be noted at high levels and supply was tight.

Paraffin—Advances of .0060c. were noted for four grades of fully refined, slabs, loose, last week. 122-124 and 125-127 ASTM went up to .0695. 130-132 ASTM advanced to .0705 and 132-134 ASTM went up to .0720. Demand remained at high levels but the supply was none too strong.

Miscellaneous

Crude Oil—Pennsylvania crude was in heavier demand from refiners for crude adapted to the manufacture of lubricants. This demand recently was responsible for boosting the price 11c. a barrel. This brought the listing of the lower field material to $3.57 while the upper field became $4.

Petrolatum—The demand for this item continued to be noted on the strong side during the week. The supply was not at what could be called high levels. Prices were unchanged although there recently had been some talk of revised listings.

White Mineral Oils—The market held strong last week and while there had been talk of revised prices there was nothing definite noted during the period. Demand held at high levels although the supply was not strong.

Los Angeles Petroleum Market

Demand continues to hold at a good level for solvents and diluents. The supply position on solvents is reported adequate to meet present call. Cleaning solvent, including Stoddard, quoted from 15½c. to 19½c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles basin area. Lacquer diluent quoted from 16½c. to 20½c. per gallon, same basis.

Price listings for butane and propane are unchanged at 5.3c. per gallon, tankcars, f.o.b. Los Angeles, with moderate inquiry reported.

Good demand is holding for high melting point paraffin waxes with supplies tightening up. Following price changes became effective August 25: 122/128 ASTM, c.l. loose slabs, f.o.b. shippers refinery, San Francisco, quoted .0695c. per pound. 142/147 ASTM, same basis, quoted .0705c. per pound. 146/148 ASTM, listed at .0715c. per pound, same basis, and 157/162 ASTM, same basis, quoted at .078c. per pound. Tankcar prices quoted .0655c., .0665c., .0675c. and .074c. per pound respectively.

For Late Market Developments, See Page 4

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Oils, Fats and Waxes

Increased demand for prompt delivery and limited supplies of edible oils caused prices to advance fractionally last week. Animal and fatty acids also were higher as a result of increased cost of basic materials. Trading was more active for prompt and later requirements. Price index advanced 3.0 points.

Brisk demand for soybean oil to fill export orders by shorts advanced prices especially for prompt delivery. Production for immediate delivery was sold up and resale oil also was scarce. Old crop cottonseed oil was in limited supply and sales were transacted at higher levels. This was reflected in bleachable cottonseed oil futures and new season's highs were scored for all positions. Corn and peanut oils were in light supply and higher.

Active demand for copra for shipment to Europe advanced the market $10 per ton. Coconut oil was unchanged but firm, especially for prompt shipment.

Tallow and greases were in heavy demand by shorts for export, and trading was reported at premiums of 2 to 2½ cents per pound above domestic levels. Offers were scarce and it was stated that domestic buyers also were unable to obtain supplies at prevailing quotations.

Higher cost of tallow and greases also advanced red oil, stearic acid and tallow fatty acid 1 cent per pound, and the advance of vegetable oils lifted coconut fatty acids, 1½ cents and cottonseed and soybean fatty acids, ½ cent per pound.

Cottonseed Oil

Improved buying interest for bleachable cottonseed futures featured the market last week. Trading was active and with offerings limited, all months reached new highs for the season. Short covering and trade buying of September was fairly active. Selling pressure was quite heavy on the bulges, which was readily absorbed. Strength in crude cottonseed, other vegetable oils and cotton was a contributing factor. Consuming demand for edible oils last week was more active for prompt delivery, advancing prices fractionally.

Consumption of refined cottonseed oil totaled 1,950 tankcars in July, compared with 1,791 tankcars in June and 1,914 tankcars, July, 1949. Disappearance during the crop year August-July amounted to 25,915 tankcars, against 24,867 tankcars during the same period last season. Visible supply of refined oil was estimated at 4,906 tankcars at the end of July, compared with 3,613 tankcars, at the same time last year.

Crude cottonseed oil stronger, advancing ½c. per pound. Demand was moderate, but offers for prompt delivery were scarce. Sales took place at 19c. per pound, tankcars, f.o.b. mills, Southeast and Valley and 18½c., Texas.

Sales and prices of refined bleachable prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended September 1 follow:—

	Sales	Cents per pound—High	Low	Close
September	260	21.70	20.15	21.62S
October	220	20.15	19.13	20.05—20.00S
December	385	19.64	18.70	19.35—19.40S
March	322	19.21	18.52	19.09@19.15
May	488	19.25	18.50	19.30S
July	101	19.03	18.26	18.89—18.90S

Total sales, 1,976 tankcars, including switches.

Linseed Oil

Scarcity of oil for nearby delivery and strong flaxseed market continued to keep oil in a firm position. Consuming demand was active for immediate requirements. Raw oil for spot delivery was maintained at 17.80c. per pound, tankcars, zone 3; second half September 17.30c.; October, 16.30c. and November forward, 15.80c., same basis. Withdrawals against current contracts continued in active request.

Minneapolis.—Linseed oil prices held steady in the Minneapolis area the past week, but drum differentials were raised two-tenths of a cent per pound from 1.2c. per pound to 1.4c. Crushers reported that the increased cost of shipping containers made it necessary to advance drum oil prices. Raw linseed oil, in tankcars, zone 1, sold at 17.2c. per pound in the last week of August. First half September shipment was 17c., while last half was priced at 16.7c. a pound. Virtually all of the oil for September and most of October was sold, crushers reported. Oil for October shipment was quoted at 15.7c. a pound and 15.2c. November-April. Drums, on a carlot basis, were quoted at 18.6c. a pound, while warehouse stocks were priced at 19.4c. a pound.

Shipments of linseed oil from Minneapolis last week (through Aug. 30), in pounds, were as follows:—

	1949-50	1948-49
Past week	10,140,000	12,860,000
Since Sept. 1, 1949	442,940,000	391,498,000

Flaxseed—Trading was active. Heavy seed receipts resulted in lower bids.

Minneapolis.—Flaxseed poured into the Minneapolis market at a brisk pace last week. Receipts on recent to-arrive sales totaled close to 800 cars, compared with only 400 the preceding week and 1,565 a year ago. New to-arrive bookings during the week totaled over 600 cars, with most of the buying done early in the week—when prices hovered around the $3.75 to $3.80-per-bushel mark. As crushers reduced their bids down to $3.65 a bushel, sales dropped off sharply. Crushers were forced to raise the price 5c., to $3.70 bushel, to get any further supplies. Demand for supplies was good all week, with crushers competing actively.

Receipts and shipments of flaxseed last week, in bushels, were as follows:—

Bushels—	Receipts 1949-50	1948-49	Shipments 1949-50	1948-49
Past week	1,463,700	2,395,900	35,700	110,500
Since Sept. 1, 1949	24,259,900	41,444,000	4,917,200	8,643,400

Other Vegetable Oils

Castor Dehydrated—This market was strong and offerings were limited. Prices were unchanged and firm at the recent advance.

Coconut—Crude oil was advanced ½c. per pound to 17½c. tankcars f.o.b. Pacific coast, spot, and first half September. October shipment was sold at 17c.

Copra—Active demand for European delivery stiffened the market and prices were advanced to $225 per short ton, c.i.f. Pacific coast. Demand for domestic account was fair.

Corn—Crude oil was stronger. Sales took place at 18½c. per pound, tankcars,

Market Trends

Prices Advanced

Coconut oil, ½c. per lb.
Coconut oil fatty acid, 1½c. per lb.
Copra, $15 per ton.
Corn oil, ½c. per lb.
Cottonseed fatty acid, ½c. per lb.
oil, ½c. per lb.
Fish oil, refined, ½c. per lb.
crude, ½c. per lb.
Oleo oil, ½c. per lb.
Palm oil, ½c. per lb.
Peanut oil, ½c. per lb.
Red oil, 1c. per lb.
Soybean fatty acid, ½c. per lb.
oil, ½c. per lb.
Stearic acid, 1c. per lb.
Tallow, fatty acid, 1c. per lb.

Prices Reduced

Carnauba wax, No. 3, crude, 5c. per lb.
refined, 5c. per lb.
yellow, No. 1, 2c. per lb.
No. 2, 2c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Dec. 30, 1949	Sept. 2, 1949
152.6	149.6	143.7	111.3	128.0

(*For Current Prices see Page 9*)

Cottonseed Crush: July

Cottonseed received and crushed and production of cottonseed products during July and June, 1950, as compiled by Bureau of the Census, follows:—

Cottonseed

	July 1950	June 1950
	Tons	
Receipts	128,307	47,329
Crushed	177,800	208,265
Stocks at mills	284,500	333,993

Crude Oil

	Pounds	
Produced	57,790,000	68,051,000
Stocks at mills	22,041,000	27,451,000

Refined Oil

	Pounds	
Produced	59,523,000	80,792,000
Factory and whse. stocks	167,353,000	223,034,000

Cake and Meal

	Tons	
Produced	80,988	93,264
Stocks at mills	136,002	163,860

Hulls

	Tons	
Produced	43,146	50,714
Stocks at mills	73,634	81,712

Linters

	Bales	
Produced	[1]49,546	57,596
Stocks at mills	[2]65,009	73,799

[1] Includes 13,117 bales first cut, 35,297 bales second cut, and 1,132 bales mill run. Average gross bale weights: Total, 601.1; first cut, 573.4; second cut, 612.6, and mill run, 561.8 pounds. In addition to oil mill production of linters shown in this and previous releases, production at gins and other delinting plants during the 1949-1950 season amounted to 5,310 bales, average gross bale weight 580.7 pounds.

[2] Includes 33,640 bales first cut, 26,344 bales second cut, and 5,025 bales mill run.

For Late Market Developments, See Page 4

f.o.b. mills and 18¼c. was bid. Offers were scarce for prompt delivery. Refined oil was firm and nominal at 23½c. per pound, tankcars, New York.

Palm—Higher cost of replacements resulted in an advance of ½c. per pound. Drums on spot were quoted at 15¾c. per pound. Shipments also were advanced to 14.60c. per pound, tankcars, New York, October delivery.

Peanut—This market remained firm under light supplies for prompt delivery. Crude oil was sold at 20½c. per pound, tankcars, f.o.b. mills, September delivery, and 21c. for spot. Oil for November delivery was quoted at 19c. Refined oil was scarce and nominal at 23½c. per pound, tankcars, New York, October delivery.

Soybean—Market was stronger, due to good demand and scarcity of oil for prompt delivery. Crude oil sold at 16¼c. per pound, tankcars, f.o.b. mills, first half September. Offers for straight September were scarce and held at 16c. October was sold at 14¼c.; November, 13⅜c., and December, 13¼c. Refined oil also was scarce and nominal at 19½c. per pound, tankcars, New York basis. Consumption of crude soybean oil totaled 2,386 tankcars in July, compared with 2,414 tankcars in June and 2,572 tankcars in July, 1949. Visible supply at the end of July was estimated at 4,956 tankcars, against 3,592 tankcars at the same time last year.

Sales and prices of prime crude soybean oil on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended September 1 follow:—

	Sales	Cents per pound High	Low	Close
September	30	16.25	15.55	16.05@16.25
October	64	14.25	13.38	14.00@14.10
November	21	13.30	13.15	13.00@13.30
December	43	13.43	12.90	12.90@13.10
January	2	13.18	13.15	12.90@13.05
March	62	13.10	12.70	12.97@13.10
May	66	13.20	12.70	12.90@13.10
July	..	....	....	12.75@13.00
August	..	....	....	12.85N

Total sales, 288 tankcars and switches.

Fats and Greases

Greases—Heavy demand for export featured this market. Shorts covered and were forced to pay premiums of 2c. and more per pound. Choice white was reported sold at 11c. per pound, tankcars, c. and f., New York, with 11¼c. asked. Yellow grease also was in demand and was quoted at 10c. per pound, drums, f.a.s. Domestic trading was inactive, and official prices were unchanged.

Lard—Trading was reported quiet for domestic and export delivery. Cash lard was quoted at 14.50c. per pound, tierces, Chicago. Pure refined lard was nominal at 17¼c. to 17½c. per pound, drums, f.a.s.

Tallow—Trading was active for export, due to short covering. Fancy was reported sold up to 11½c. per pound, tankcars, c.a.f. New York and 13c. for drums, f.a.s. Offerings were scarce and market strong. Domestic demand was light, though small users continued to pay premiums. Official price schedule was unchanged.

Fish Oils

Refined—Market was firmer, due to increased cost of crude, and quotations were advanced ½c. per pound. Light cold-pressed was quoted at 13½c. per pound, tankcars, New York basis, and alkali refined, 14½c., same basis. Trading in refined oil was active before the advance. Crude sardine oil was lifted ½c., with sales at 10c. per pound, tankcars, f.o.b. Pacific coast, and 10¼c. asked. Crude menhaden oil was scarce and nominal at 10¼c., tankcars, f.o.b. Baltimore.

Fatty Acids

Higher cost of tallow and greases resulted in price advances of 1c. per pound for red oil, stearic and tallow fatty acids. Single distilled red oil was lifted to 17c. per pound and double to 19½c. per pound, tankcars. Single pressed stearic acid was higher at 16½c. per pound, bags carlots; double, 17½c., and triple, 19¾c., same basis. Tallow fatty acid was lifted to 13½c. per pound, drums carlots. Vegetable fatty acids also were advanced with the higher cost of oils. Cottonseed was raised ½c. to 14½c. to 15¾c. per pound, drums, as to quantity, and double, 15c. to 16¼c.; coconut was increased 1½c. to 27c. to 28¼c. per pound, drums and double, to 29c. to 30¼c.; soybean, up ½c. to 14½c. to 15¾c. per pound, drums, and double to 29c. to 30¼c., same basis.

Cake and Meal

Cottonseed Cake and Meal—Meal was still too high compared to soybean meal to interest buyers. Forty-one percent loose slab cake was quoted at $62 per ton basis Mississippi Valley points for immediate, and first half September shipment. Forty-one percent sacked meal was held at $70.50 to $71 for immediate and first half September shipment basis Memphis, and at $69 basis Georgia points, while South Carolina mills have been asking $70 for September shipment.

Linseed Meal—Market was firmer under improved demand.

Minneapolis.—Meal prices advanced 50c. to $1 per ton the past week as better interest developed in the market. Although supplies were still heavy, the market displayed an improved tone. Both the extracted and expeller meals for spot shipment were quoted at $60.50 per ton, bulk, in carlots, f.o.b., Minneapolis, 50c. higher than a week ago. Expeller meal for October - November - December arrival was

—*Continued on page 74*

Soybean Crush: July

Soybeans received and crushed and production of soybean oil and meal during July and June, 1950, as compiled by Bureau of the Census, follows:—

Soybeans

	July 1950	June 1950
	Tons	
Receipts	194,246	229,664
Crushed	469,114	417,381
Stocks at mills	579,459	854,327

Crude Oil

	Pounds	
Produced	159,261,000	141,705,000
Stocks at mills	53,731,000	36,927,000

Refined Oil

	Pounds	
Produced	109,089,000	132,235,000
Factory and whse. stocks	73,394,000	77,528,000

Cake and Meal

	Tons	
Produced	364,048	323,249
Stocks at mills	49,995	65,965

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1—Baker Perkins Heavy Duty Dispersion Mixer—stainless steel, 100 gal. working capacity hydraulic tilt, suitable for vacuum, with drive and 60 HP motor, complete.

2—6' x 8' Jacketed PORC.-LINED PEBBLE MILLS, motor driven.
2—6' x 27' DAVENPORT ROTARY STEAM TUBE DRYERS, each with vari-speed reducer and motor, etc.
1—#OA 18" RAYMOND SCREEN MILL.
1—Complete DRY ICE PLANT, capacity 50 tons per day, steam driven.
60—40, 60, 80, 100, 150 gal. ALUMINUM JACKETED KETTLES, pressure tested.
1—J. H. Day Steam Jacketed ALUMINUM Horiz. 1,000# DRY POWDER MIXER.
9—DIRECT HEAT ROTARY DRYERS: 3'6" x 24'; 4' x 30'; 4'6" x 40'; 5' x 30'; 5' x 50'; 6' x 60'; 8' x 60'; 9' x 85'; 11'6" x 120'. Also ROTARY KILNS up to 9'6" x 250'.
2—5'4" x 40' Ruggles Coles STAINLESS STEEL ROTARY DRYERS for direct heat or low temperature hot air.
1—#1 BANBURY MIXER, chrome plated rotors, drive, 40 HP motor.
1—8' x 12' Oliver ACID PROOF FILTER, lead fitted.
1—8' x 15' OLIVER PRECOAT FILTER.
1—6' x 4' FLAKER, chrome-plated, M.D.
6—Day Roball Sifters, #71, 40" x 84", STAINLESS STEEL, Single Deck, motor driven.
2—2,500 lb. Horizontal Ribbon Type Powder Mixers.

2—DEVINE VACUUM SHELF DRYERS, 10 shelf, 40" x 43" single door, 13 shelf, 59" x 78" double door.

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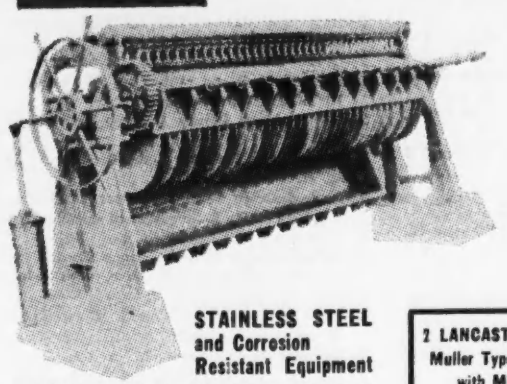


STAINLESS STEEL and Corrosion Resistant Equipment

2 Ball & Jewell No. 1½ Rotary Cutters in Stainless Steel; 30 H.P.
2 S.S. Heat Exchanger Shells; 14½" x 17"; 24½" x 71".
3 S.S. (type 316) 250 Gal. Pressure Vessels ASME; 3' x 4'.
4 S.S. 300 Gal. Reactors 3' x 5'; 2 are jacketed.
2 S.S. Reactors 500 gal. 4' x 5' and 1,200 gal. 5' x 93".
2 Stainless Vacuum Pans Monjonnier and Rogers; 4' and 5' diameter.
Lancaster 1,800 gal. Stainless Lined Digester.
250 Gal. Stainless Resin Kettle; Jacketed and Agitated.
4 Nickel Reactors or Digesters; 125 gal., 140 gal. and 360 gal.
Stainless Closed top Kettle, coil heated and agitated; 8' x 7'.
Lead Lined Jacketed and agitated Manhole type Tank; 5' x 5'.
Code Welded S.S. Tank 7' x 7' with 18" cone bottom.

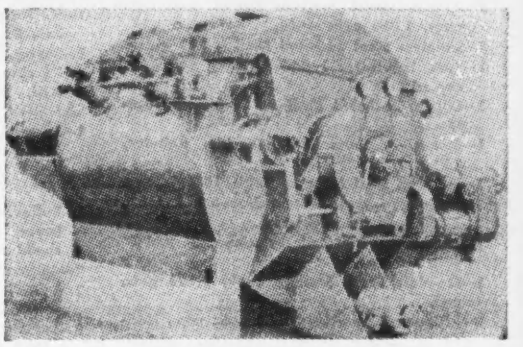
2 LANCASTER S. S Muller Type Mixers with Motors

FILTERS

Sweetland Pressure Type Filters by Oliver United; Nos. 1, 2, 5, 7, 9, 10 and 12 some complete with accessories.
Oliver Drum Filters with S.S., Nickel, Rubber and other non-corrosive contact parts; 5' 3" x 6' up to 10' 6" x 18'.
Feinc Filters, acid resistant, string type; 8' 6" x 8' and 10' 6" x 16'.
2 Niagara S.S. Filters No. 60 and No. 80.

FILTER PRESSES

2 Aluminum Plate and Frame Filter Presses; Shriver 24" and Sperry 36".
3 Shriver and Sperry 36" Plate & Frame Filter Presses Cast Iron.
2 Wood Plate & Frame Filter Presses 36" and 42".
1 Sperry 42" Cast Iron 70 chamber washing type open delivery Press.
2 Shriver 56" 4 eye Filter Press Skeletons including side bars.
1 Sperry 36" Cast Iron Recessed Filter Press; 66 plates.



RUBBER & PLASTIC UNITS

Farrell Birmingham Mixing and Cracking Mills, 13" to 84".
Two, three and five Roll Calendars, 24" to 78", with motors.
Banbury Mixers, Numbers 00, 1, 3, 9 and 11.
Royle, Allen, Adamson Extruders up to 12".
Injection Molding Equipment by Lester, Reed-Prentice, HPM and Watson Stillman.

CENTRIFUGAL EXTRACTORS

1 Bird 24" S.S. Centrifuge underdriven, motorized.
1 Bird Continuous Centrifugal Filter 36" x 72", monel contacts.
2 Bird Continuous Solid Bowl Centrifugals 40" x 60" contacts of Rubber and Hastelloy.
4 Baker Perkins "Termeer" type Centrifugals S 48.
1 Tolhurst 40" Centrifugal overhead suspended type with copper perforated basket; 7½ H.P. 2 speed motor.

TABLET PRESSES

Stokes Single Punch 'E', 'F', 'T', 'R'; Rotary 'D', 'D3', 'D4' 'DD', 'B1', 'BB1', many with motors and Dies.
Colton Single Punch, '3E', '3DT', '9AT', '4½', '5½'; Rotary '2', '3', '9-18', '10-35'.
Kux 60A and 64 Single Punch Presses.
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Get back most of your original investment and put back to work any surplus machines which could be producing elsewhere. Send us your surplus list.

DRYERS

2 Procter & Schwartz Single Pass Dryers; 7'8" x 20' and 11' x 64'.
3 Link Belt Rote Louvre Dryers No. 310, 610 and 1003 . . . complete.
4 Louisville Steam Tube Dryers 6' x 25' and 6' x 50'; others.
2 Struthers Wells Stainless Drum Dryers; 5' x 10' with accessories.
1 Buffalo Single Drum Chrome Plated Vac. Dryer 5' x 12' complete.
6 Devine and Buffalo Vacuum Shelf Dryers from Lab. size to Double Door No. 23, some complete with accessories.

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Mikro 4TH, 2TH, 1SH, Bantam Pulverizers; Jay Bee 3AT & U1, Schutz O'Neill, Stedman Mills.
Baker Perkins BB, JNM and Readco Heavy Duty 50, 100, 150 gallon cap. Double Arm Steam Jacketed Mixers.
F. J. Stokes, J. H. Day, New Era, Hottman Mixers, from 2 gallons up to 450 gallons, with and without Jackets, Single and Double Arm Agitators.
Day, Howes and Robinson 100, 600, 2,000, 4,000 lbs. Dry Powder Mixers and Sifters.
Day 80 gal. Brighton Pony Mixer.
Copper Steam Jacketed high-pressure Kettles, with and without Agitators.
Proctor & Schwartz Soap Dryer.
Huhn and Hersey Steam and Gas Fired Rotary Tubular Dryers.
Lehman 3 Roll 5" x 11" Lab. Mill.
Kent Three Roll Roller Mills, 12" x 30" and 16" x 40" sizes.
Houchin Aiken & N. E. Soap Mills.
S. & S. G1 and G4 Auger Fillers.
Knapp E adj. Wraparound and Spot Labeler, 1 gal. cap. (also for jars with ears).
Burt Auto. Wraparound Labeler.
F. J. Stokes Twin Eureka & Colton Rotary Tablet Machines.
F. J. Stokes DDS and DDS-2 23-punch Rotary Tablet Machine.
Triangle Package U Auger, G2C, G2S, A2C, N2CA and A60A Electri-Pak 6 head Fillers.
Triangle model SHA auto. Net Weigher and Carton Sealer.
F. J. Stokes Hand Cream Filler, Tube Closer and Crimper.
Colton 4PF Cream Filler.
Filler 1, 2, 4 and 8 head stainless steel Piston Fillers.
Ceco and Jones Cartoners.
Knapp No. 429 Carton Sealer.
Package Machy. Co. Models FA, DF, FAQ, and FA2Q fully automatic Cellophane Wrappers.
Package Machinery Model EE Automatic Tablet Wrapper.
Scandia SFC & Miller Wrappers.
Pony M, ML and MX Duplex Labelrites, Ermold and World semi and Fully Automatic Rotary and Straightaway Labelers.
Horix Stainless Steel Rotary and International Straightline automatic Vacuum Fillers.
Ayars #10 Can Rotary Filler.
Alsop, Sweetland, Vallez, Sperry, Shriver, Ertel and Republic Filter Presses.

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13

EQUIPMENT FOR YOUR NEEDS

TANKS & KETTLES

5—Glascote, Glass-Lined Jacketed Kettles, 300 gals. cap.
1—Pfaudler, Glass-Lined Jacketed Kettle, 150 gals. cap.
3—Stainless Steel Jacketed Kettles with agitator, 1,000 gals.
5—Stainless Steel Jacketed Kettles, 200 gals.
1—Plate Fabricator Jacketed Kettle, 900 gals. cap., 125 PSI.
1—Copper Jacketed Kettle, 6' x 8', with agitator.
1—Stokes Vacuum Kettle with agitator, 14" x 12".
1—Stainless Steel Jacketed Kettle, 10 gals. cap.
1—Buffalo, Jacketed Steel Vacuum Reactor, 1,500 gals. with agitator.
1—Blaw-Knox Jacketed Autoclave, 3' x 4'2" with agitator.
1—Stainless Steel, Storage Tank, 3,100 gals. cap.
2—Pfaudler, Glass-Lined, 500 gals. cap., Horizontal Storage Tanks.
1—Pfaudler, Glass-Lined, 300 gals. cap., Storage Tank.
4—Glascote Glass-Lined, 200, 300 & 500 gals. cap., Storage Tanks.
10—Steel Storage Tanks, 10,000 gals. cap.
7—Rubber-Lined Storage Tanks, 350 & 450 gals. cap.
1—Steel Storage Tank, 10,000 gals. cap., 1" plate.

FILTERS

3—Shriver Plate & Frame, Laboratory Filter Presses, 7" x 7".
1—Shriver Filter Press, 42" x 42", 46 chambers, side-feed, open delivery, washing type.
1—Shriver Filter Press, 36" x 36", closed delivery, side-feed, 25 chambers.
1—Sperry 36" x 36" Recessed Type Filter, center feed, open-delivery, 42 Heresite covered Plates.
1—Sperry Filter Press Skeleton, 42".
1—Shriver, Rubber-Lined, Filter Press, 36" x 36", 36 chambers, closed-delivery.
1—Sperry, 24" x 24", Cast-Iron, Filter Press, 22 chambers.
4—Bird, Stainless Steel, Filters 18" x 28", unused.
1—Sperry, Aluminum Filter Press, 18" x 18", 9 chambers.

DRYERS

1—Buflovak, Chrome-Plated, Double Drum Dryer, 32" x 90", complete with Motor, speed reducer, and conveyor.
2—Buflovak, Vacuum Drum Dryers, 24" x 20".
3—Louisville, Rotary Steam Tube Dryers, 6' x 50'.
2—Buffalo Double Door Vacuum Shelf Dryers, 12 & 15 Shelves.
2—Black & Clawson Double Drum Dryers, 28" x 5'.
3—Buffalo Flakers, 5' x 12'.
1—Ruggles Cole Direct Fired Kiln, 7½' x 60'.
1—Bartlett & Snow Direct Fired Kiln, 8½' x 50'.

MIXERS

1—Lancaster Laboratory Muller.
1—Banbury Mixer #1 with 50 HP Motor.
4—Baker Perkins Jacketed Vacuum Type Double Arm Mixers, with Motors & Drives, 100 gals. cap.
1—Cavagnarro Vacuum Type Double Arm Mixer, with Motors & Drives, 100 gals., cap., Stainless Steel.
2—Cavagnarro Steel Jacketed Mixers, Chromium Plated, interior—double arm, fishtail blades, 100 gals. cap., vacuum type with 40 HP Motor & Drives.
3—J. H. Day Double Arm Jacketed Mixers, 50 gals. cap., Sigma Blades.
1—Baker Perkins Double Arm Jacketed Mixer, 200 gals. cap., Sigma Blades.
3—Baker Perkins Double Arm Mixers, 200 gals. cap., Sigma Blades.
1—Patterson, 5,000 gals. cap. Turbo Mixer "New."
1—Patterson Nickel-Lined Blender, 192 cu. ft. cap. with 20 HP Motor.
2—J. H. Day Mogul Type Mixers, 2½ and 5 gals. cap.
5—Simpson #0 Intensive Mixers "New."
1—Day Pony Mixer, 15 gals. cap.
1—Gemco Copper Conical Blender, 3½ cu. ft.

CENTRIFUGES

10—Sharples Super Pressurite Centrifuges, #6.
2—Sharples Super Pressurite Centrifuges, Stainless Steel Bowl, Model #16Y.
1—Podbielniak Stainless Steel Centrifugal Extractor Model 6080.

MISCELLANEOUS

1—Royle #1 Perfected Extruder, with heating unit.
1—Allis Chalmers Tube Mill, 5'8" x 18', Silex-Lined.
3—Hardinge Conical Ball Mills, 8' x 30", 5' x 22", 6' x 22".
1—Abbe Engineering Silex-Lined Pebble Mill, 6' x 12'.
1—Ball Mill, Stone-Lined, 7' x 9'.
1—Ross Laboratory 3 Roll Paint Mill, 3" x 6".
1—Kent Laboratory 3 Roll Paint Mill, 4" x 8".
1—Cumberland Granulator with 15 HP Motor.
1—Mikro Pulverizer #4TH with 60 HP Motor.
1—Mikro Pulverizer #2TH with 15 HP Motor.
1—Mikro Pulverizer #1SH with 3 HP Motor.
1—Mikro Bantam size, Pulverizer.
1—Mikro Stainless Steel Atomizer, #6, with 20 HP Motor.
1—J. H. Day #71 Ro-Ball Jacketed Stainless Steel Gyrating Screen Cooler.
2—Orville Simpson #41, Rotex Screens.
2—Selectro enclosed Vibrating Screens, 18" x 48" Chrome-Plated.
2—Ball & Jewel Rotary Cutters, No. ½ and No. 2.
1—Downington Stainless Steel Condenser, 34 sq. ft.
1—Acme Stainless Steel Condenser, 100 sq. ft.
1—Struthers Wells Stainless Steel Double Pass Condenser, 570 sq. ft.
1—Swenson Rubber-Lined Vacuum Crystallizer, 4' dia. x 16' long, 42" cone, with reduction drive.
8—Swenson-Walker Jacketed Crystallizers, 2' x 2' x 20' Sections.
1—Stainless Steel Column, 18" x 18'.
1—Kewanee 125 HP Boiler, 125 Lbs. pressure.
3—International Scotch Marine Boilers, 200 HP, 125 lb. pressure, ASME code, coal-fired.
1—Abbe Engr Stone-Lined Ball Mill, 5' x 4'.
1—EEMCO 2 Roll Lab. Mill, 6" x 12".

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3—French Oil 85" Drip Rendering Lard Cookers.
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Patterson Ball Mill 3½' x 4', Jktd., Chrome Manganese Steel Lined, 10 HP.
Day 40 gal. Pony Mixer, 5 HP motor.
Stokes RD3 Tablet Machine 2 HP motor.
Banbury Mixers No. 3 & No. 9, motorized.
P&S Dryer, single pass, 70' long.
No. 00 Banbury Mixer with 8" x 12" 2 Roll Lab. Rubber Mill & motor, complete unit with controls.
Shriver 36" Jktd. Iron Filter Press.
4' x 4' Steel Reactor Jktd., Agitator & Exp. Proof motor.
Lab. 4" x 8" New Hy Speed 3 Roll Mill.
Sargent 3 Pass 30' Dryer.
Farrel 24" x 66" 3 Roll Calender, with 100 HP 3 Ph. motor.

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1—Aluminum 1,000 gal. Reaction Kettle, jacketed, agitated, coils.
3—Monel Tanks, 5' dia. x 4' high, closed, with coils.
2—Stainless Tanks, T304, 6,700 gal., open top.
3—Stainless Tanks, T347, 3,450 gal., closed top, coils.
3—Stainless Kettles, T347, 1,000 gal., flat top, agitated, non-jacketed.
20—Stainless Clad Jacketed Kettles, 40 gal. to 150 gal.
1—Sweetland #10 Filter.
1—Alsop Filter, T316 Stainless, SD-8-WR-10.
3—Filter Presses, Wood P&F, 30".
8—Filter Presses, C.I. P&F, 10", 12", 18", 24".
1—Rotary Vacuum Filter, 8' x 8', acid proof.

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BLENDERS—Conical, copper, 20" 2.7 cu. ft., w/XP drive.
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Double, conical, SS lined, 7'x10'.
CONVEYORS—Belt, 30"x65', SS belt, complete.
Belt, 24"x30', rubber belt, complete.
Elevator, 48' MI buckets, 14"x7".
Elevator, 68' MI buckets, 10"x6".
FEEDERS—Syntron, vibra-flow, type F350.
Jeffrey, Traylor, type 4-JT 155.
Allis Chalmers, electro magnetic, Utah type.
FILTERS—Oliver, 8'x10', 250 sq. ft., wood drum.
Sweetland, size 12, steel, 72 leaves.
Oliver, 8'x6', wood and SS. (NEW).
GRANULATOR—Stokes,SS, oscillating, 43A.
HEAT EXCHANGER—Struthers Wells, 24"x 11'4", SS tubes and sheet, 430 sq. ft.
KARBATE—HCL Absorber, 10 ton/day plant. (NEW).
Heat Exchangers, 16.5 sq. ft.
Pipe—From ½" to 6" (UNUSED).
Fittings—From ½" to 6" (UNUSED).
MILLS—3 roll, Ink Mill, Day, 16" x 40".
Grinding Mill, Abbe, Size B.
Disc Grinder, 13" Junior Robinson.
Abbe, 4 Cage, 22"x12".
Cage Mill, 4 row, 36" Stedman.
Ball Mill, Patterson, 6'x16', type DJX.
Ball Mill, Patterson, 5'x6', type DJX.
Hammermill, Jeffrey, 36"x24", A2.
Mikro Pulverizer, #2.

(This is only a partial listing of our inventory. Send us your inquiries.)

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Colton ±4½ Single Punch Preform Tablet Machine, 1½" dia.
New Pfaudler 65 gal. Glass-Lined Kettles.
Mikro #1 SH Pulverizers 3 HP. Other sizes.
6—Anderson No. 1 Expellers.
1—±00 Raymond Mill 30 HP, complete.
4—French Oil 400-Ton Linseed Presses.
2—Dopp 1,000 gal. Jack. Agit. Kettles, Dopploy Acid Resistant & Iron.
1—Lehman 4 Roll W C, 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill, 4½'x24"
4—Allbright-Nell 4'x9' Atmos. Drum Dryers & Flakers.
1—Devine No. 3 Vac. 4 Shelf Dryer.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x20".
1—Century 2 HP, 4 speed Vert. Mixer.
3—Baker Perkins heavy duty Jack. Mixers, 200, 100, 50, & 9 gals.
Stokes ±2E Paste Filler, up to 5 gals.
Impreg. Units, Lab. or Pilot Plant & up.
2—Abbe Pebble Mills, 6'x8' & 60"x48".
8—Abbe Jar Mills, Lab. to 6 gal. sizes.
2—Master drum type Blenders, 1,000#.
15—Sperry & Shriver, 12", 18", 24", 30", 32", 42" Iron & Wood Filter Presses.
2—12" Bronze & Rubber Filter Presses.
Extra 36" Iron Sperry Plates & Frames.
4—Rotex Sifters, 20"x48" to 40"x84"
1—Allis-Chalmers 1 HP Gyratory Sifter.
3—Tyler 3S Jr. Hummer Screens, 20"x60"
2—Robinson No. 10 Saw Tooth Crushers.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
5—Lehman & Kent 3-Roll Steel Mills, 3"x9", 9"x32", 12"x30", 16"x40"
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ½" to 3"
1—Robinson 22" Ball Bearing Attrition Mill, double pulleys.
11—Sharples No. 5A Stainless Oil Centrifuges, 2 HP. Also No. 6
2—Colloid Mills, 5 & 10 HP, Stainless.
2—DeLaval Multi. Clarifiers, ±300 & 501.
Devine 500, 300 & 1,000 gal. closed steel Kettles & Stills, 250 gal lead lined kettle.
10—Dry Powder Mixers, 30 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers, Sifters.
10—Stokes Vertical High Vac. Pumps.
3—Duriron 3"x2" Centrif Pumps.
1—Sturtevant 36" Rock Emery Mill
20—Stainless, Alum., Copper & Glass-Lined Kettles & Tanks, new & used.
1—Revolvator hand operated 1,000±.
15—Port Elec. Mixers, ¼-2 HP.
Rotary Cutters Lab. to 40 HP.
8—Hammer Mills & Pulver., 3 to 50 HP.
6—Centrifugals, 26", 30" & 40".
4—±00 & ±0000 Raymond Mills.
6—Lead & Paste Mixers to 300 gals.
2—Worth 12"x12"x12" Vac. Pumps.
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PONY MIXERS from 2½ gallons to 40 gallons.
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1—Paterson 6' x 5' watercooled steel ball mill.
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10—8" Premier Colloid Mills

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NEW Swenson single effect monel evaporator—complete.
Pfaudler 200 gal. series "M" jack. & agit. reactor.
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Sperry & Shriver 24" & 30" cast iron filter presses, plate & frame, washing type.
70 gal. S.S. jack. vac. pans—complete.
Stokes 4' x 6' single drum atmospheric dryer.
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4—Ross Engineering 2-Truck Atmospheric Steam Heated Dryers, 500 sq. ft. each.
4—Sperry 24"x24" rubber-covered P&F Filter Presses.
1—Continuous Jacketed Crystallizer, 2'x 15'.
1—±00 Banbury Mixer, with 10-HP motor.
1—Bird 54"x70" Continuous Centrifugal.
2—Tolhurst 40", 32" Suspended Type Bottom Discharge, Centrifugals, monel perforated baskets.
1—AT&M 48" Suspended Type Imperforate Stainless Steel Basket.
1—Tolhurst 24" Suspended Type Centrifugal, bottom discharge, steel perforated basket.
6—Sweetland Filters, Nos. 12, 10, 7, 2.
3—Sweetland Filters, ±2, all stainless.
1—Oliver 3'x2' Rotary Vacuum Filter, stainless steel valve.
1—Swenson 4'x5' Steel Rotary Vacuum Filter.
6—Patterson, Abbe Pebble Mills, 6'x8', 6'x5', 3'x3½', 2'x3'
3—Mikro Pulverizers, 4TH, 2TH, 1SH.
5—Rotex Sifters, 20"x48", 40"x56", 40"x 120"
2—Tyler Hummer Screens, 4'x5', with controls.
1—Pfaudler 100-gallon, glass-lined, jacketed, agitated Kettle.
5—Baker Perkins Double Arm Steam Jacketed Mixers, 100, 20, 9 and 2 gal.
8—Shriver, Sperry, 36", 32", 24", 18", 12" Cast Iron P&F Filter Presses.
2—Knapp, Burt Can Labelers, up to ±10 cans.

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Packaging Machine Triangle Model SPA, Amsco Rotary Bag Sealer, Ceco Carton Sealer, DeLaval Centrifuge #620, Dover steel Evaporator and Roots Connersville Blower No. 30. Thompson-Hayward Chemical Co., Kansas City, Missouri.

Cans for sale: 11,000 half pint, 8,000 pint triple-tite cans, also 20,000 quarts flit style cans. These are new lithographed which can be covered with labels. H. H. Shuger, Baltimore Paint & Color Works, Baltimore 23, Md.

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Pumps, centrifugal, 2 stage, high head, new Ingersoll Rand Cameron Model 2CMRV-20, two-inch discharge, cradle mounted, direct connected 20 HP electric motor. $750. Will sell with or without motor. OPD 416.

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For Sale—70% Chlorinated Paraffin, 21,400 lbs. 200 lbs. drums. Excellent condition. $.14 per pound. Ton lots. Mfg. Hooker Electro Chemical Co. F P. B. Research Corp., 3 Wentworth Place, Lynn, Massachusetts. Phone LYnn 8-3860.

Pyridine—2° made by Barrett, 5 tons; Polyvinyl Acetate (grade similar to AYAB), 4 tons; industrial Xylol, 3,000 gallons; Cellulose Acetate Scrap, 50 tons; Clear Blue Cellulose Acetate Sheet, 20 tons; Cadmium Acetate, 2 tons; Aceto Chemical Co., Inc., 82 Beaver Street, New York 5, N. Y., DI 4-9760.

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Do not wait until conditions further limit prospects of disposing of top-heavy inventories; will purchase surplus unshipped commodities, all kinds. Particularly interested in pigments, chemicals, dyes, colors, waxes, drugs, pharmaceuticals, etc. OPD 434.

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Plant for sale or rent: Glue factory, fully equipped with cookers, evaporators, refrigeration rooms, dryers, etc. 30 miles from New York City. Reply OPD 433.

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Wanted by a well known Eastern manufacturer, a chemist for research and development work in varnishes and related materials. A Ph.D., or its equivalent in experience in the above fields is desirable. OPD 418.

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Wax salesman. Energetic and experienced wax salesman, thoroughly grounded in the selling and marketing of industrial waxes, wanted by large corporation. Chemical training desirable, 30-40 years old. Capable of conducting field survey prior to selling. Write in complete detail concerning education, previous experience, salary desired, etc. OPD 430.

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OPD Forum

—*Continued from page 36*

eries has provided information which has resulted in considerable improvements in handling, packaging, and bulking technic.

In the latter months of 1948, an organization known as the African Pyrethrum Research Council was established to act as a medium for the co-ordination of all research and experimental work in progress in the Belgian Congo, Kenya, and Tanganyika. A complete exchange of all scientific information has taken place which has already been of considerable benefit to growers in all three territories.

It is now apparent that, as soon as the new flower strains have been established throughout the growing areas and the results of improvements in cultivating and handling technics have been brought to fruition, it will be possible for producers in East and Central Africa to sell pyrethrum at basic prices which will be substantially less than those prevailing at the present time.

An initial reduction in the pyrethrum selling prices has already been announced. Whereas, the devaluation of sterling and the Belgian franc was partially responsible for pyrethrum growers in Africa being placed in a position to implement this reduction, the newly developed handling procedures previously referred to, together with a general increase in the average pyrethrin content, have contributed very greatly.

The effect of the widespread planting of selective strains during 1949 has already been evidenced. The following comparative table of the weighted average pyrethrin contents of all flowers delivered at receiving stations in Kenya and Tanganyika during the first five months of 1949 and 1950 is indicative:—

	Percent				
	Jan.	Feb.	Mar.	Apr.	May
1949	1.39	1.31	1.32	1.38	1.36
1950	1.41	1.37	1.55	1.62	1.68

It will be appreciated that, as the revenue on pyrethrum flower sales is based on the percentage of pyrethrins present, any significant increase in the average pyrethrin content over a succession of full crop years will enable growers to pass on to buyers a proportion of the benefits derived from their quality improvement policy.

It is unfortunate that the general increase in average content has, to some extent, been offset by a decline in yield caused by the incidence of a bud disease. It has been estimated that this disease, a fungus known as "*Ramuaria bellunensis*," reduced average yields per acre in Kenya and northern Tanganyika by 4 percent to 5 percent during 1949; the ravages of the disease on Belgian Congo production have been even greater.

Ramularia has been subject to investigation and study by the pyrethrum research team in Kenya for over two years, and considerable progress in the development of remedial measures has already been made. The team will be strengthened very shortly by the addition of a plant physiologist and a second plant pathologist. Similar work is proceeding in the Belgian Congo under government auspices. It is fortunate that the vigorous new high pyrethrin content strains, of which seed will be issued to growers in a few months' time, appear to have a high degree of resistance to the fungus.

Whereas, the acreage of pyrethrum under cultivation in East Africa and the Belgian Congo declined very considerably during 1947 and 1948 consequent upon the recession in the market during that period, it is anticipated that, within a relatively short term, the level of production will have reached that of demand based on present usage.

The market for pyrethrum in both dollar and sterling area countries is stronger today than it has been at any time since the prewar period. This spectacular revival in pyrethrum marketing conditions is attributed to the unsuitability, from the toxic point of view of some of the well-known chemical insecticides for domestic use and for the control of food infesting insects; the nontoxic properties of pyrethrum have rendered it incomparable in its own field. It is even possible that, in the not too distant future, poisoning of the soil due to repeated crop application of insecticides of the chlorinated hydrocarbon variety, as recently reported by United States Department of Agriculture officials, may reopen a field of usage in which pyrethrum has been greatly substituted since the end of the war.

The Infestation Control Division of the British Ministry of Agriculture and Fisheries has evidenced considerable interest in the use of pyrethrum for admixture to stored grain for insect control purposes. In East Africa, the direct application of nontoxic and completely safe pyrethrum preparations to stored cereals is now common practice—consequent upon the approval of this method of control by the toxicology committee of the British Medical Research Council. This new development, which has worldwide ramifications, together with increasing demands for larger quantities of pyrethrum from Great Britain, Australia, South Africa, and countries on the European continent, has given considerable impetus to pyrethrum production during the past twelve months.

It has been estimated that, whereas, the minimum requirements of the United States market alone now exceed 6,000 tons per annum, the sterling area figure already approximates 4,000 tons and shows signs of increasing very considerably.

How would the market demand for pyrethrum flowers be affected by large-scale production of allyl cinerin I? Both will be in short supply during 1950 and 1951. By 1952 the basic price of pyrethrum will be considerably less than the 1950 level; in 1953 it should be lower still. As yields per acre and pyrethrin content increase consequent upon the application of "know-how" arising from research which is already in an advanced stage, and as losses of pyrethrins during the process of drying and in transit are reduced even further, so will the producer organizations in the three African pyrethrum-growing territories be able to lower their quotations. As the further increase in pyrethrin content which will be evidenced in 1951 will enable extraction overheads, processing costs, and freight charges to be greatly reduced, this, together with lower producer selling prices, should place pyrethrum in a position whereby it can more than compete in the world insecticide markets.

Nakuru, Kenya. NORMAN H. HARDY,
Executive Officer,
Pyrethrum Board of Kenya; Administrator,
African Pyrethrum Research Council.

Humble to Boost Capacity

Humble Oil & Refining Company, controlled by Standard Oil Company (New Jersey), has announced plans to increase the capacity of its new crude oil pipe line from 85,000 barrels per day to 135,000 barrels daily. The line, which was placed in operation in May at a cost of $14,500,000, extends 370 miles from Big Lake, Regan County, Tex., to Humble's tank farm approximately twenty miles north of Houston.

Lander Buys Elizabeth Kent Co.

Lander Company, New York, has purchased the entire property of Elizabeth Kent Company. The new unit will be incorporated into the Lander organization as a subsidiary.

Oils, Fats and Waxes

—*Continued from page 69*

quoted at $62 a ton, $1 better than a week ago, and extracted type at $61.50 a ton, 50c. higher. Shipping directions were the heaviest since the third week of January, when 19,800,000 pounds were ordered out.

Shipments of linseed meal from Minneapolis last week, in pounds, were as follows:—

	1949-50	1948-49
Past week	19,560,000	15,780,000
Since Sept. 1, 1949	311,921,500	631,320,000

Waxes

Crude and refined beeswax continued strong and reflected the firmness at primary centers. Prices were unchanged and well held. Increased offerings of carnauba wax on spot and lack of demand resulted in declines of 2c. to 5c. per pound, bringing prices below the cost of replacements. No. 3, crude dropped 5c. to 85c. to 86c. per pound and refined to 91c. to 93c. on spot as to quantity. No. 1, yellow also was unsettled and off about 2c. to $1.15 to $1.17 per pound and No. 2 to $1.13 to $1.15, as to quantity. Other grades were unchanged and ruled steady.

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Blaw-Knox Names Barnebey and Bell

H. L. Barnebey has been appointed manager, and Sanford R. Bell process engineer, for the chlor-alkali department of Blaw-Knox Company's chemical plants division, Pittsburgh, Pa. This department of the company is active in the design and construction of chlorine-caustic plants based on the Mathieson Mercury Cell and processes employing amalgam to produce hydrogen peroxide, sodium ethylate, sodium sulphate, azobenzene and related compounds, as well as chlorine and caustic soda.

Elkan Retires

Benno Elkan has announced his retirement as director and chairman of International Minerals & Metals Corporation. He will continue for the time being, however, as president of the National Zinc Company, an International Minerals subsidiary.

Kennecott Names Jenness

Kennecott Copper Corporation has appointed Dr. Leslie G. Jenness director of research and assistant to the president. Dr. Jenness was previously associated with the Hum Ko Company, Memphis, Tenn., as director of research

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2. Its economy
3. Its safety for use in recommended doses
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6. It is non-injurious to plastic and rubber
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5. pharmaceutical plants
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7. laundries and diaper services
8. general hospital use
9. sanitization of textiles

can be formulated with detergents

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COAL CHEMICAL DIVISION

PITTSBURGH COKE & CHEMICAL COMPANY

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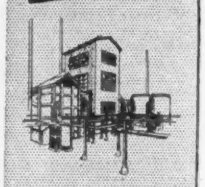

Alkyl Methyl Pyridinium Chloride
Alphanitronapthalene
Benzol—Motor, Nitration, Pure
Cresol—Meta Para, Ortho
Naphtha, Heavy Solvent
Naphthalene—74° and 78°
Para Amino Phenyl Mercuric Acetate
Phenol
Picoline—Alpha, Beta and Gamma
Pyridine—Medicinal and Industrial
Sodium Cyanide
Sodium Thioycanate
Sulphate of Ammonia
Sulphuric Acid—60°, 66° and Oleum
Tar and Creosote
Toluol—Nitration and Commercial
Xylol—10°, 5° and 3°
2, 4 Dichlorophenol

PITTSBURGH COKE & CHEMICAL COMPANY

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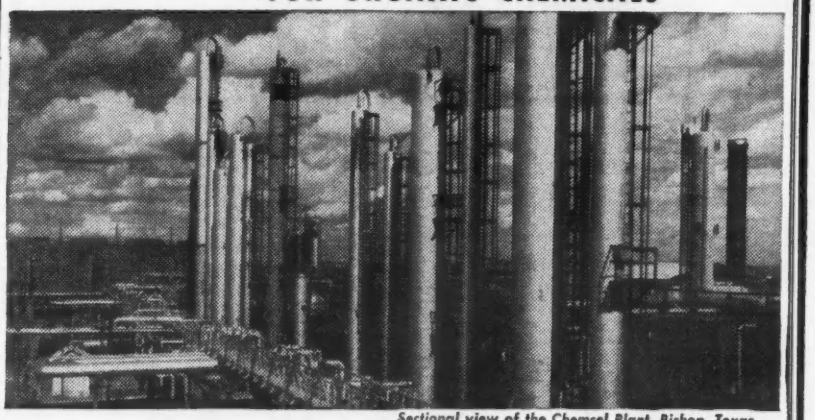

Sectional view of the Chemcel Plant, Bishop, Texas.

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PARAFORMALDEHYDE
ACETALDEHYDE
PROPIONALDEHYDE
ACETIC ACID
ACETONE
METHANOL
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